

BLACK LAKE 2021 ALUM TREATMENT REPORT



Prepared for
Black Lake Special District

Prepared by
Herrera Environmental Consultants, Inc.



Note:

Some pages in this document have been purposely skipped or blank pages inserted so that this document will print correctly when duplexed.

BLACK LAKE 2021 ALUM TREATMENT REPORT

**Prepared for
Black Lake Special District
120 State Avenue Northeast, No. 303
Olympia, Washington 98501**

**Prepared by
Herrera Environmental Consultants, Inc.
2200 Sixth Avenue, Suite 1100
Seattle, Washington 98121
Telephone: 206-441-9080**

July 26, 2021

CONTENTS

1. Introduction.....	1
2. Background	5
2.1. Water Quality Conditions.....	5
2.2. 2016 Alum Treatment Effectiveness.....	10
3. Alum Treatment.....	13
3.1. Chemical Materials	13
3.2. Staging and Preparation.....	14
3.3. Chemical Application.....	14
3.4. Permit Requirements	17
4. Treatment Oversight and Monitoring	19
4.1. Treatment Oversight.....	19
4.2. Treatment Goals and Water Quality Objectives	19
4.3. Data Quality Assurance.....	19
4.4. Jar Tests	20
4.5. Treatment Monitoring.....	20
4.5.1. Daily pH Monitoring	22
4.5.2. Weekly Field Parameter Monitoring	22
4.5.3. Short-Term Impact Monitoring	27
5. Conclusions And Recommendations.....	31
6. References.....	33

APPENDICES

- Appendix A Contractor Submittals
- Appendix B Laboratory Reports

TABLES

Table 2-1.	Black Lake Alum Treatment Objectives and Trophic Status Results.....	10
Table 3-1.	Daily Application Log for the Black Lake 2021 Alum Treatment.....	15
Table 4-1.	Jar Test pH Results for the 2021 Black Lake Alum Treatment.....	21
Table 4-2.	Daily pH Values for the Black Lake 2021 Alum Treatment.....	23
Table 4-3.	Field Water Quality Data Summary for the Black Lake 2021 Alum Treatment.....	24
Table 4-4.	Short-Term Monitoring Results for Surface and Bottom Water Samples Collected at Two Stations for the 2021 Alum Treatment Compared to Means for Both Stations for the 2016 Alum Treatment of Black Lake.....	28
Table 4-5.	Comparison of Aluminum Concentrations to Toxicity Criteria for Black Lake Alum Treatments.....	30

FIGURES

Figure 1-1.	Black Lake Monitoring Locations.	3
Figure 2-1.	Black Lake Trophic State Index from 1992 Through 2019.....	6
Figure 2-2.	Mean and Range of Chlorophyll-a and Secchi Depth Summer Means for 90 Lakes in Puget Sound Lowlands.....	7
Figure 2-3.	Black Lake 2019 Monthly Secchi Transparency and Surface Chlorophyll-a, and Surface and Bottom Total Phosphorus and Nitrogen.....	9
Figure 2-4.	Black Lake Microcystin Guideline Exceedance.....	11
Figure 3-1.	Black Lake Application Coverage Map of 2021 Alum Treatment.....	16
Figure 4-1.	Vertical Profiles of Temperature, Dissolved Oxygen, Specific Conductance, and pH at the South (SB-1) and North (NB-2) Monitoring Stations for the Black Lake 2021 Alum Treatment.....	25

1. INTRODUCTION

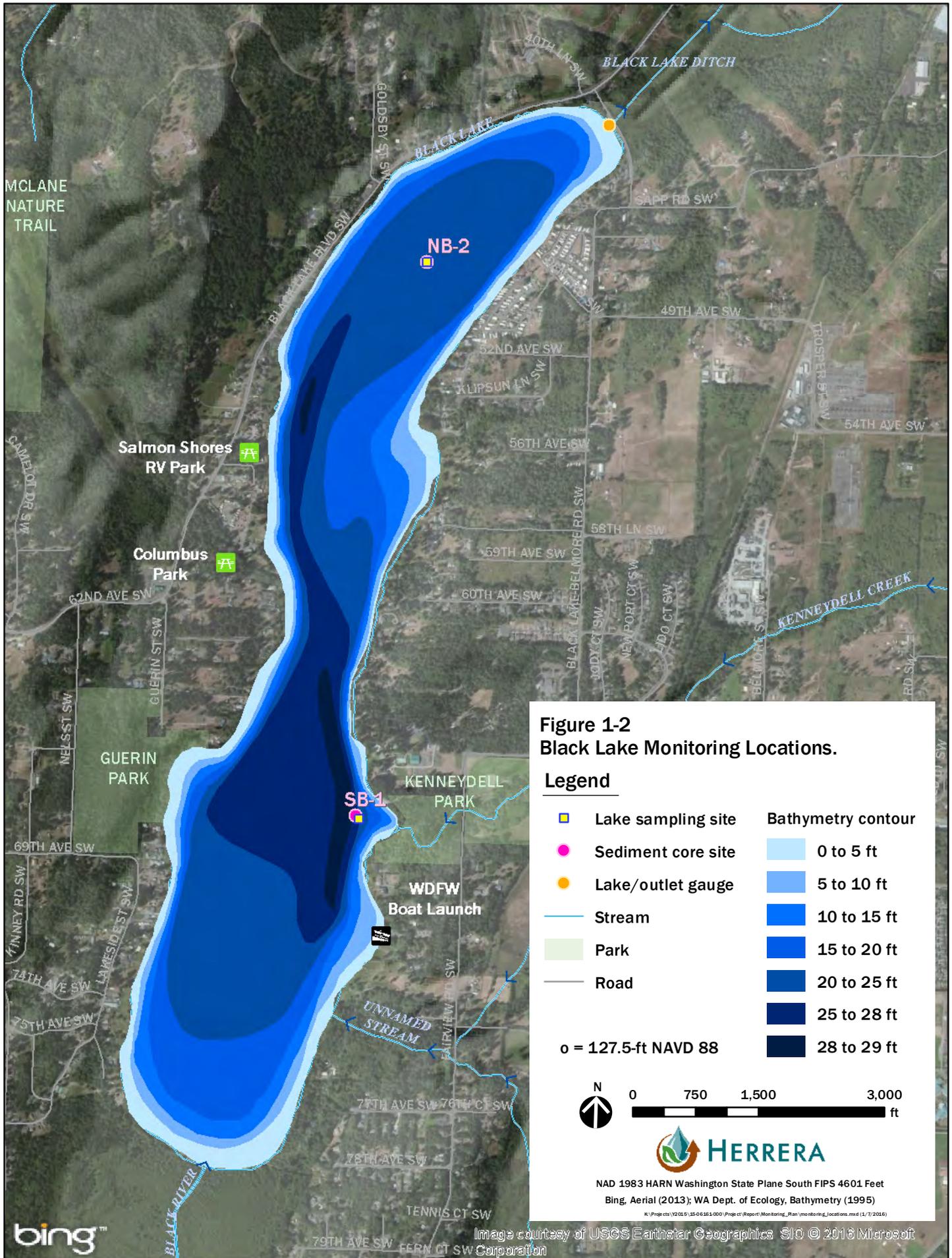
Black Lake, located in Olympia, Washington (Figure 1-1), has had a history of high nutrient levels that result in cyanobacteria (blue-green algae) blooms. These blooms have occurred in most years since routine lake monitoring began in 1992. Water quality data collected by Thurston County since 1992 shows that Black Lake is eutrophic (high nutrients and algae) due to high phosphorus concentrations. Compared to 89 other lakes in the region, the abundant algae and poor water clarity of Black Lake put it in the worse 6 to 12 percent of all lakes, respectively. Lake sediments are a primary source of the phosphorus during summer when it is released from iron as anoxic (no oxygen) conditions develop in the bottom waters. This excess phosphorus fuels cyanobacteria that float to the surface to form scums and often produce various cyanotoxins (chemicals which are toxic humans, mammals, and waterfowl) and close lakes to recreational uses for protection of public health.

The Black Lake Special District (District) is committed to improving water quality in Black Lake and has since funded identified measures needed to reduce phosphorus inputs to Black Lake. The management strategies aid in controlling the production of cyanobacteria and toxic algal blooms and include the following activities:

- In 2015 a phosphorus and algae control plan was developed to identify measures needed to reduce phosphorus input and control the production of cyanobacteria. This study developed a water and phosphorus budget that identified internal loading as a major source of phosphorus fueling cyanobacteria blooms. Lake sediment and water quality data were analyzed leading to the recommendation of an applying alum (aluminum sulfate used with the buffer sodium aluminate) to effectively reduce the amount of phosphorus available for algae growth in the lake and mitigate the likelihood of future cyanobacteria blooms (Herrera 2015).
- In 2016 a dose of 54,726 gallons of liquid aluminum sulfate (alum) and 26,286 gallons of liquid sodium aluminate buffer was applied to Black Lake over a 5-day period from April 13 to 17 (Herrera 2016). Post-treatment monitoring results from 2016 through 2020 show that the treatment goal of changing the trophic status from eutrophic to mesotrophic was not met based on summer average values for total phosphorus, algae biomass (chlorophyll), and water transparency (Secchi depth). The goal of having no lake closures due to toxic cyanobacteria was met because all algae scum sample tests collected in each these 5 years met the state guidelines.
- A pollutant monitoring study was conducted in two phases following the 2016 alum treatment to identify locations of high external phosphorus loadings from the watershed to Black Lake. This study identified three drainage outfalls to the lake containing septic system effluent that are discharging phosphorus and other contaminants to the lake. It

was recommended by this study to locate and control septic system sources and to educate District members about best management practices for animal waste, lawn care, and stormwater runoff to reduce phosphorus loading to Black Lake (Herrera 2019 and 2021b).

Because the 2016 alum treatment did not meet the goal of improving the trophic status of the lake from eutrophic to mesotrophic, the District contracted with HAB Aquatic Solutions (HAB) to perform a second alum treatment in March to April 2021. Herrera Environmental Consultants (Herrera) provided quality control and water quality monitoring services to the District for this treatment. This report presents the treatment oversight and the monitoring results to evaluate short-term effectiveness of the alum treatment.



2. BACKGROUND

2.1. WATER QUALITY CONDITIONS

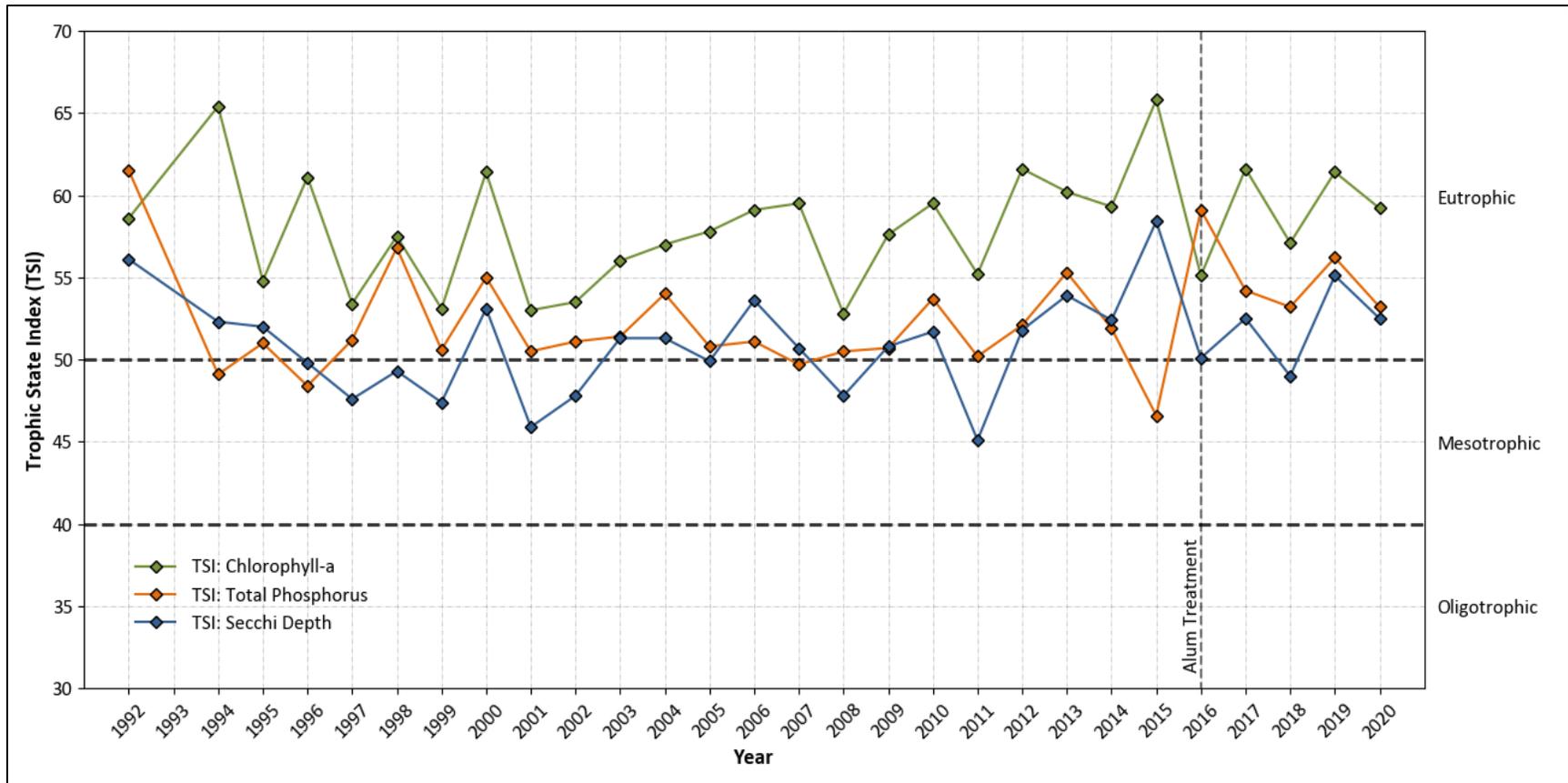
Water quality data collected by Thurston County since 1992 shows that Black Lake is eutrophic (high algae and nutrients) based on its trophic state index (TSI) exceeding a value of 50 calculated from average summer values for the three trophic state parameters: chlorophyll-a (algae biomass), total phosphorus (controlling nutrient), and Secchi depth (water transparency) (Thurston County 2020a).

Figure 2-1 presents the three trophic state indices for Black Lake from 1992 through 2020. The chlorophyll-a TSI is the most important measure of trophic state and has been eutrophic each year since 1992, with an average of 58 and range of 53 to 66. The total phosphorus and Secchi depth TSIs have been somewhat lower with averages of 52 and 51, respectively, and were occasionally in the mesotrophic (moderate algae and nutrients) range of 40 to 50.

Black Lake is more eutrophic than most lakes in western Washington. Historical water quality data were recently evaluated for Black Lake and 89 other lakes in western Washington for a study evaluating effects of trout stocking on algae blooms (Herrera 2021a). Figure 2-2 presents the mean and range of summer averages for chlorophyll-a and Secchi depth for 90 lakes in the Puget Sound lowlands. Only 5 of the 90 lakes have higher chlorophyll-a (algae biomass) and 10 of the 90 lakes have lower Secchi depth (water clarity) than Black Lake. The high amounts of algae and poor water clarity put Black Lake in the worse 6 to 12 percent of the lakes, respectively.

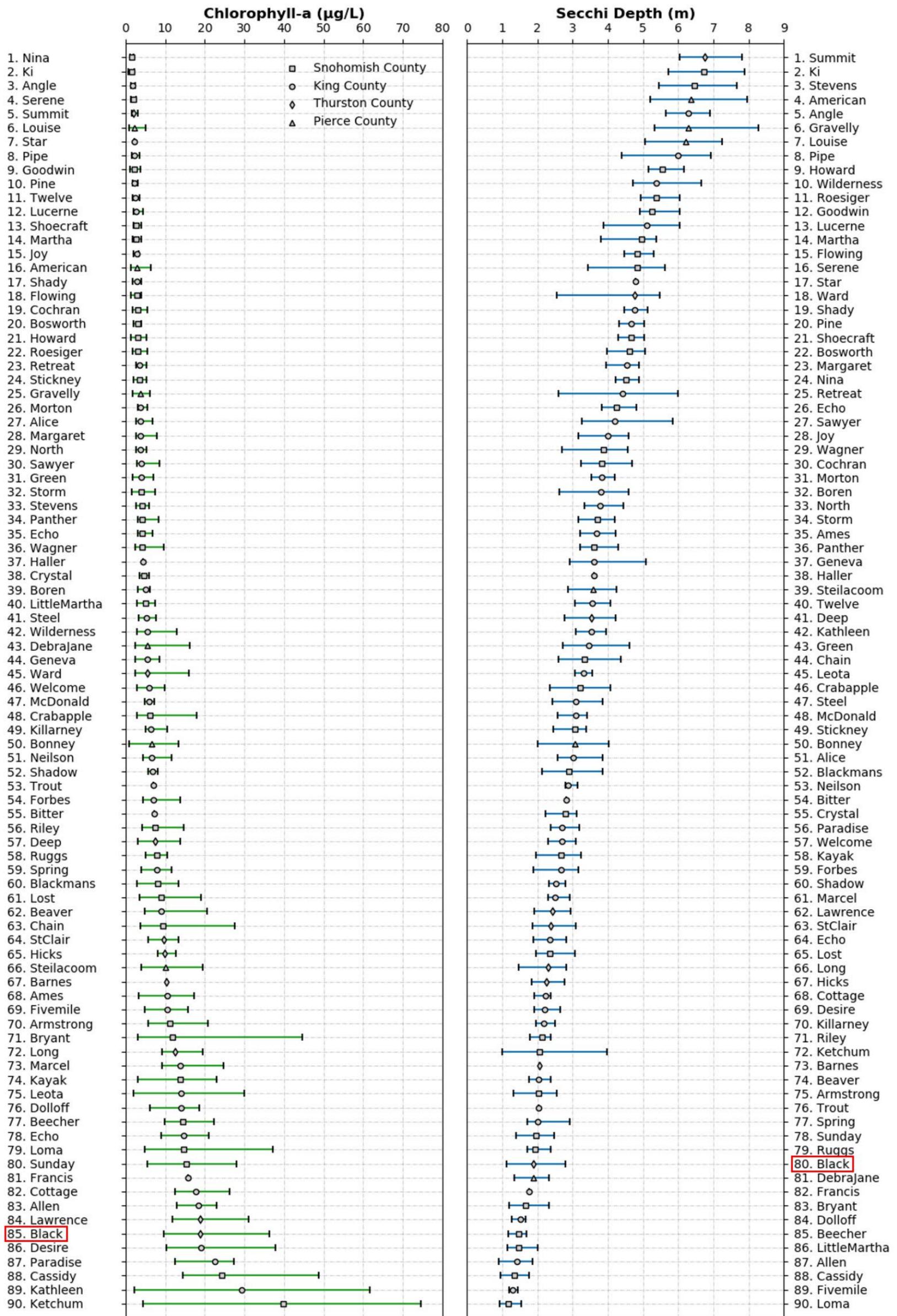
As surface waters warm in the spring, Black Lake stratifies into a warm surface layer (epilimnion) and a cold bottom layer (hypolimnion) until the lake cools and mixes during fall turnover, which begins in September. As summer progresses, nutrient concentrations increase in the bottom waters because algae settle and oxygen concentrations decrease as the algae decompose. The loss of oxygen in lake sediments as summer progresses causes phosphorus bound to iron to be released from the anoxic sediments into the bottom waters and become available for algae growth. The release of sediment phosphorus in the lake is a natural process that is primarily due to the accumulation of phosphorus inputs from the watershed over the life of the lake, but can be exacerbated by anthropogenic (human) sources in wastewater (e.g., septic system effluent) or stormwater (e.g., runoff of fertilizers, pet waste, disturbed soils, etc.).

Figure 2-3 presents monthly values in 2019 for Secchi transparency, surface chlorophyll a, and surface and bottom total phosphorus and nitrogen in Black Lake (Thurston County 2020a). Algae biomass and nutrient concentrations in surface waters increase to maximum values in September, which coincides with the minimum transparency from the high algae biomass caused by lake turnover and the mixing of nutrient-rich bottom waters with surface waters.



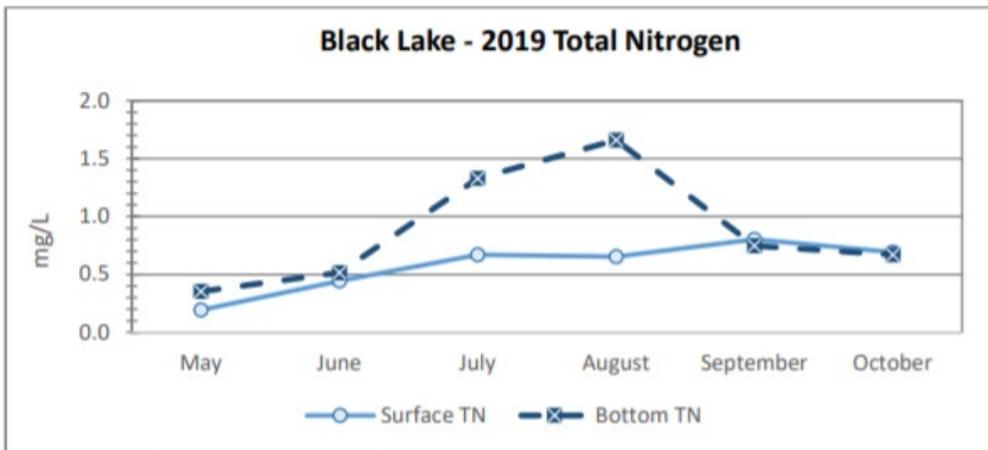
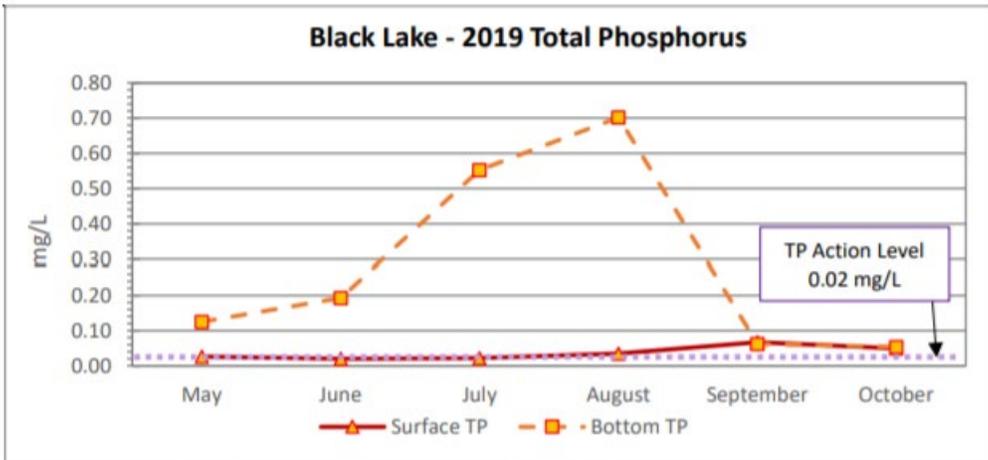
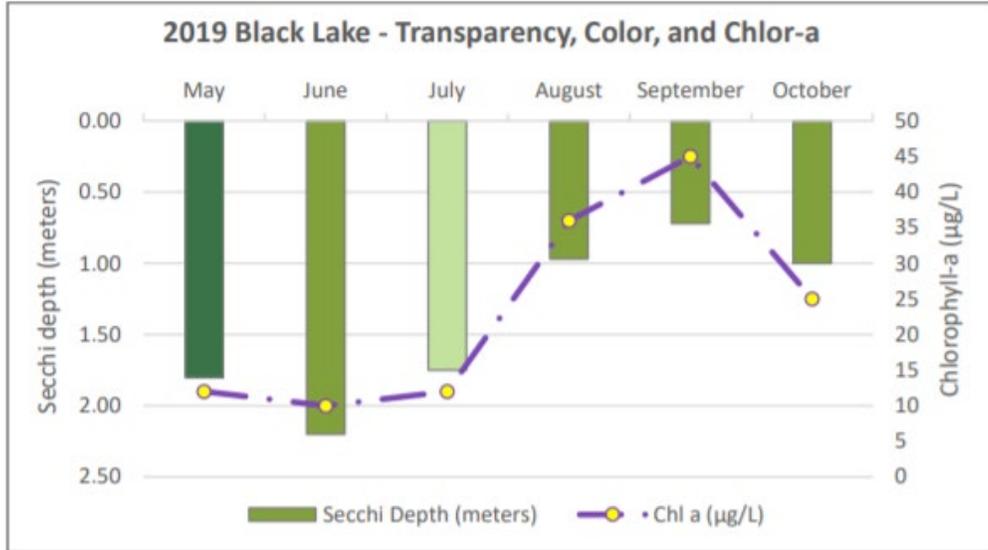
Source: Thurston County 2020a

Figure 2-1. Black Lake Trophic State Index from 1992 Through 2019.



Source: Herrera 2021a

Figure 2-2. Mean and Range of Chlorophyll-a and Secchi Depth Summer Means for 90 Lakes in Puget Sound Lowlands.



Source: Thurston County 2020a

Figure 2-3. Black Lake 2019 Monthly Secchi Transparency and Surface Chlorophyll-a, and Surface and Bottom Total Phosphorus and Nitrogen.

The excess phosphorus from sediment release fuels excess cyanobacteria that float to the surface to form scums and often produce various cyanotoxins (chemicals that are toxic to humans, mammals, and waterfowl). Cyanobacteria in Black Lake produce microcystin, which is an hepatotoxin (liver toxin) that can result in closure of the lake to recreational uses if the Washington State recreational guideline of 8 micrograms per liter ($\mu\text{g/L}$) is exceeded in algae scum samples (Ecology 2020).

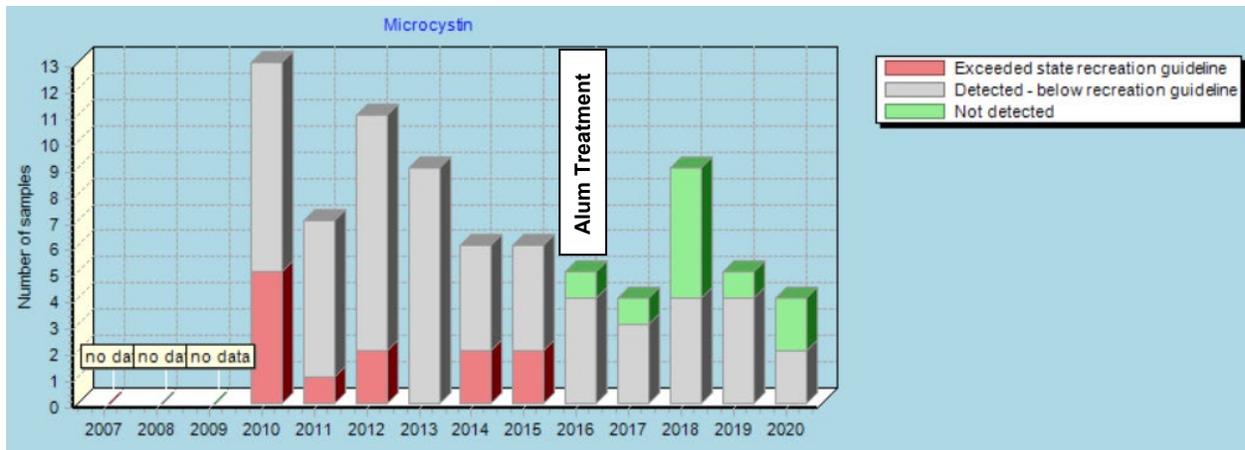
2.2. 2016 ALUM TREATMENT EFFECTIVENESS

Alum treatment objectives are presented as summer mean values in Table 1 with comparison to pre-treatment conditions in 2008–2015 and post-treatment conditions in 2016–2020. The alum treatment goal was to meet all objectives for at least 5 years ending in 2020. This comparison shows that the alum treatment did not improve water quality and the alum treatment objectives were not met for the overall TSI (less than 50), Secchi depth (greater than 2.0 m), chlorophyll-a (less than $7.2 \mu\text{g/L}$), and total phosphorus (less than $24 \mu\text{g/L}$).

Parameter	Treatment Objective	Pre-Treatment Mean (Range) (2008–2015)	Post-Treatment Mean (Range) (2016–2020)
Trophic Class	Mesotrophic	Eutrophic	Eutrophic
Trophic State Index	<50	54 (50–57)	55 (53–57)
Secchi Depth (meters)	>2.0	1.9 (1.1–2.8)	1.8 (1.4–2.1)
Chlorophyll-a ($\mu\text{g/L}$)	<7.2	20 (10–36)	19 (12–24)
Total Phosphorus ($\mu\text{g/L}$)	<24	27 (19–35)	35 (30–45)

All values based on summer mean values for surface samples collected from May through October.

Figure 2-4 presents microcystin data for surface scum samples collected from 2010–2020 (Ecology 2020). No other cyanotoxins have been detected in Black Lake. The cyanobacteria toxin monitoring data indicates that the alum treatment has eliminated toxic cyanobacteria blooms for at least 5 years since the alum treatment compared to toxic blooms occurring in 5 of 6 years before the alum treatment. Thus, the alum treatment apparently reduced the phosphorus supply enough to cause a shift in the algae species dominance and decrease the amount of toxins produced by cyanobacteria, but not enough to decrease the overall amount of algae or increase water transparency.



Source: Ecology 2020

Figure 2-4. Black Lake Microcystin Guideline Exceedance.

3. ALUM TREATMENT

Chemical materials and the application procedures generally followed that specified in the treatment plan (HAB 2020) to achieve maximum effectiveness with protection of fish and other aquatic organisms. The treatment plan includes additional details on the materials and application procedures to ensure proper handling, dosing, floc formation, and distribution of the materials in the lake. The treatment plan also includes requirements for equipment calibration and maintenance, and application restrictions regarding lake pH wind speed that are specified in the Aquatic Plant and Algae Management Permit (Permit) issued by the Washington Department of Ecology (Ecology 2016). The Permit-required water quality monitoring results are presented in Section 3.5.

3.1. CHEMICAL MATERIALS

HAB Aquatic Solutions (HAB) applied a total of 234,213 gallons of liquid aluminum sulfate (alum) from 49 truckloads and 117,098 gallons of liquid sodium aluminate (buffer) from 33 truckloads. The total amount of alum applied was 0.08 percent more than the planned amount of 234,382 gallons, and the total amount of sodium aluminate was 0.08 percent less than the planned amount of 117,191 gallons. Contractor submittals are presented in Appendix A that include a jar test log, daily application log, bill of lading worksheet, and lake pH log.

The materials were applied simultaneously at a volumetric ratio of 2:1 (alum: sodium aluminate) for phosphorus control in Blake Lake. The average aluminum content of the alum was 2.273 kilograms per gallon (kg/gallon) (8.26 percent by weight as Al_2O_3), and the average aluminum content of the buffer was 1.364 kg/gallon (20.87 percent by weight as Al_2O_3). Based on these material volumes and contents, 532,366 kilograms (kg) of aluminum was added from the alum, and 159,722 kg of aluminum was added from the buffer, for a total aluminum dose of 692,088 kg. This amount provided an aerial dose of 317 grams aluminum per square meter (g Al/m^2) within the 2-foot depth contour (538 acres or 218 hectares) and an average concentration of 54.5 milligrams aluminum per liter (mg Al/L) in a lake volume of 12.7 million cubic meters.

The 2021 aluminum dose is approximately 25 times higher than the 2016 aluminum dose of 12.9 g Al/m^2 and 1.9 mg Al/L . The 2021 aluminum dose of 317 g/m^2 in Black Lake was three times the maximum dose previously reported for other alum-treated lakes in Washington, including 94 g/m^2 for Green Lake in 2004 and 108 g/m^2 for Wapato Lake in 2008 (Herrera 2020).

The alum and sodium aluminate were drinking water treatment grade as specified by the National Sanitation Foundation (NSF), and contained no substances in quantities capable of producing deleterious or injurious effects on public health or water quality.

3.2. STAGING AND PREPARATION

HAB obtained a permit from Washington State Department of Fish and Wildlife (WDFW) to stage the treatment at the WDFW boat launch (see Figure 1-1). Temporary, onshore storage tanks were deployed for staging the chemicals to ensure that the application of alum and sodium aluminate is successfully completed in the required applications time frame of 20 working days. On-shore and on-board chemical storage tanks and associated spill containment equipment met local state and federal regulations, including those specified by WDFW for use of the boat launch. No structural damage or chemical spills occurred at the staging area.

HAB conducted all operations in such a way as to:

- Prevent damage to the lake, equipment, and surrounding properties.
- Prevent damage to the aquatic environment from hydraulic fluid leaks by using a biodegradable hydraulic fluid in all equipment.
- Prevent damage to the lake by ensuring that no aquatic invasive species are introduced into the lake. This shall include decontaminating all equipment and gear that will come into contact with lake water prior to bringing such equipment to the staging area.
- Maintain orderly appearance at the staging area and on the treatment vessel while the treatment is occurring.
- Prevent damage to the aquatic environment from the use of onshore storage tanks at the staging area.
- Prevent damage to all utilities and below ground infrastructure at the staging area.

As described in the following section, Herrera was responsible for compliance with Ecology's permit regarding the posting of signs at approximately 190 locations around the lake and weekly reporting of application quantities and pH monitoring results to Ecology.

3.3. CHEMICAL APPLICATION

The alum and sodium aluminate application was performed by HAB over a 17-day period from March 23 through April 8, 2021. Mobilization occurred on April 22 and demobilization was completed on April 8, 2021. The treatment occurred beyond the original planned window of March 1 through March 31 due to a delay in project funding and was performed in 3 days less than the expected 20-day period. Daily application rates are presented in Table 3-1.

Table 3-1. Daily Application Log for the Black Lake 2021 Alum Treatment.

Date	Hours of Application	Alum Applied (gallons)	Sodium Aluminate Applied (gallons)	Approximate Acres Covered	Alum Truck Deliveries	Sodium Aluminate Truck Deliveries
3/23/21	9:45–20:25	14,104	7,022	51.8	4	3
3/24/21	8:25–17:10	12,736	6,374	44.0	2	1
3/25/21	7:20–17:45	14,901	7,445	51.1	3	2
3/26/21	7:35–19:40	16,023	8,005	55.3	4	3
3/27/21	7:15–19:25	12,823	6,418	43.3	2	3
3/28/21	7:20–14:25	13,758	6,869	46.9	3	2
3/29/21	7:25–18:00	12,044	6,033	41.0	3	0
3/30/21	8:00–19:45	14,227	7,110	49.1	3	2
3/31/21	9:10–19:30	16,751	8,380	57.6	3	3
4/1/21	7:25–19:20	15,255	7,622	52.1	3	1
4/2/21	7:20–19:50	15,346	7,670	53.0	3	2
4/3/21	7:30–17:25	14,262	7,135	49.2	3	2
4/4/21	8:20–16:50	14,473	7,230	50.5	3	2
4/5/21	8:00–16:10	14,245	7,126	48.7	3	2
4/6/21	7:30–15:55	15,159	7,580	50.7	3	2
4/7/21	7:40–19:20	16,046	8,025	55.5	4	3
4/8/21	6:30–7:25	2,241	1,054	7.2	0	0
Total		234,394	117,098	807.0	49	33

The area of the lake within the 2-foot depth contour (538 acres or 218 hectares) was treated at different doses based on depth (Figure 3-1) in accordance with the treatment plan (HAB 2020). Areas deeper than 20 feet had twice the dose of shallow areas (between 2 and 2 feet). The shallow zone was treated with one pass and the deep zone was treated with two passes through the entire zone. Chemical dose rates applied to each zone were 2 percent lower than the planned rates in the shallow zone (361 versus 367 gallons/acre of alum and 180 versus 184 gallons/acres sodium aluminate), and 8 percent higher than the planned rates in the deep zone (494 versus 456 gallons/acre and 247 versus 228 gallons/acre).

Application of the alum and sodium aluminate occurred after the lake water temperature had risen to over 5.5 degrees Celsius (°C; 42 degrees Fahrenheit [°F]) throughout the first 4 meters of the water column. As required by the permit, application only occurred when the wind speed was less than or equal to 15 mph at the lake surface.

A mixture of liquid aluminum sulfate (alum) and liquid sodium aluminate (buffer) was injected 4-8 inches below the water surface from a 39-foot boom. The boat was equipped with a computerized GPS and sonar systems to continuously adjust the application rate of liquid alum and sodium aluminate mixture based on boat speed. This ensured complete and uniform chemical coverage during application.

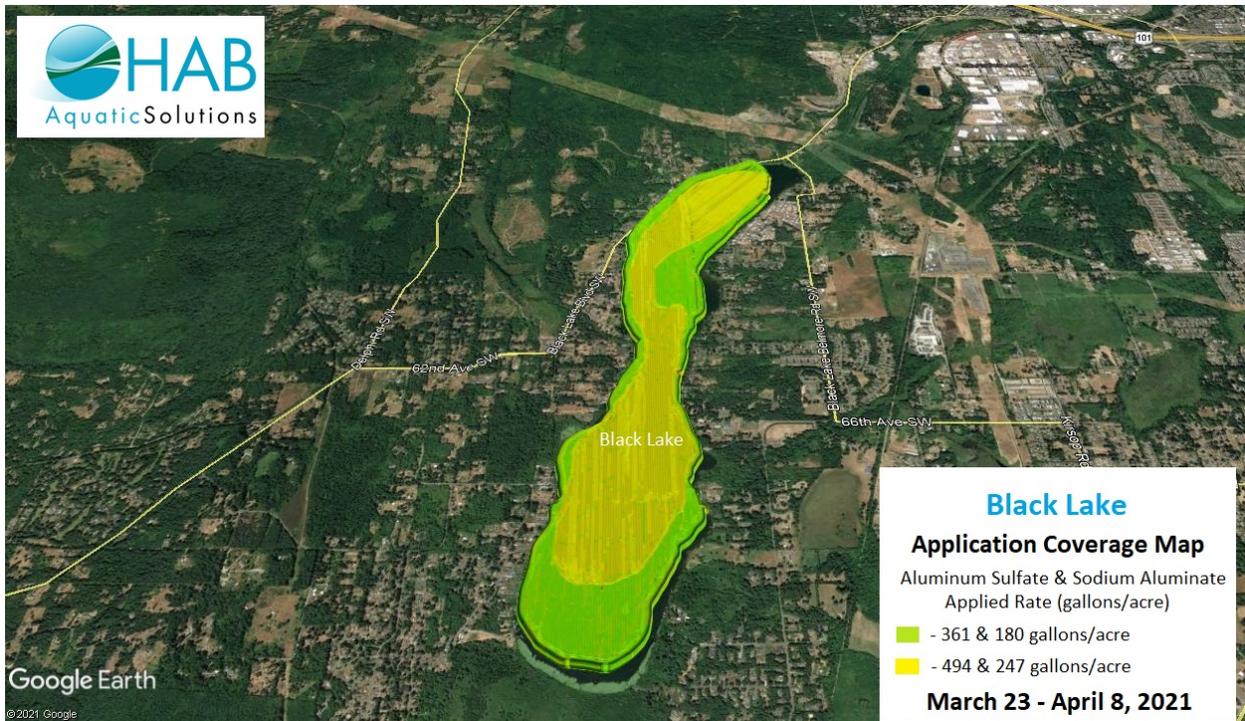


Figure 3-1. Black Lake Application Coverage Map of 2021 Alum Treatment.

The boat contained chemical storage tanks with secondary containment, and applicator equipment for even chemical distribution. The boat provided capacity for an application rate of 30,000 gallons per day of combined alum and sodium aluminate. The chemicals were delivered to the lake water from the boom in 12 pairs of alum and sodium aluminate injection tubes (nozzles or small hoses) spaced 12 inches between pairs, and with the alum and sodium aluminate injection tubes within each pair spaced 4 inches apart.

HAB monitored lake pH near the lake surface at two locations upon completion of each boat load application, which occurred approximately once every hour during the treatment. The first measurement was taken in the immediate application zone (track) and the second measurement was taken in the adjacent application zone representing 25–60 minutes of floc settlement. In accordance with the Ecology permit, the lake pH was also measured before and within one hour after each day of treatment. Work was to be suspended if the pH of lake water is less than 6.0 or greater than 8.5 throughout the lake. Work was not suspended because pH thresholds were not exceeded during the treatment (see Section 4.5).

Prior to chemical application on the first day of the alum treatment, HAB conducted jar tests at the lake in 20-gallon containers using two different doses at the same 2:1 ratio to verify that treated water was above pH 6.0 after addition and mixing. The first test was 100 percent of the total dose to represent the anticipated final pH. The second test was the normal daily dose of 5.9 percent of the total dose. A jar test of the 5.9 percent dose was then conducted prior to each subsequent day of treatment (see Section 4.4).

3.4. PERMIT REQUIREMENTS

The alum treatment was conducted in accordance with Ecology's Aquatic Plant and Algae Management General Permit (Ecology 2016). Although the current 2016 Permit expired on March 31, 2021, the treatment was completed within the grace period allowed before the new 5-year Permit became effective on April 21, 2021. HAB Aquatic Solutions complied with all the following permit restrictions for alum treatments (see Table 4 in Ecology 2016):

- Timing restrictions:
 - None for fish or other priority species.
 - Early spring or fall treatment if aquatic plant biomass interferes with inactivation of sediment phosphorus.
- Lake use restrictions or advisories:
 - None
- Treatment restrictions:
 - Application must cease when wind speed is greater than 15 miles per hour.
 - Powdered alum must be mixed with water to form a slurry before applying to the water surface.
 - The pH of lake water during treatment must remain between 6.0 and 8.5 based on lake average.
 - Only aluminum compounds suitable for water treatment may be used.
 - Buffering materials must be available for use.
- Monitoring requirements:
 - Minimum monitoring is one surface water pH measurement in the morning prior to any alum addition and one surface water pH measurement 1 hour after alum addition has stopped for that day.
 - Monitoring for pH must continue for the duration of the treatment and for 24 hours following treatment completion.
 - Monitoring locations must be representative of water body-wide conditions.
- Other restrictions:
 - A jar test must be completed prior to whole lake treatments only if a buffer other than sodium aluminate is used or a ratio of liquid alum to liquid sodium aluminate differs from 2:1 by volume.
 - An on-site storage facility is required for any treatment requiring 9,000 gallons of alum or more, or the project proponent must have a plan to store any unused alum or buffering products.

The District mailed treatment notices to all waterfront residences and businesses within one-quarter mile of the lake on two occasions in accordance with the Permit. Residents and businesses are to receive a treatment notice between 10 and 42 days before the first day of

treatment. The first set of postcards were mailed on February 18, 2021 specifying a treatment period of March 1 through March 31, 2021. The treatment was delayed due to project funding issues, so the District mailed a second set of postcards on March 20, 2021 specifying a treatment period of March 23 through April 15, 2021. Copies of these treatment notices were sent to Ecology and the Department of Natural Resources as required by the Permit.

Herrera provided and installed all required shoreline and public access notification signs per the posting requirements of the Permit. General signage requirements include the following:

- Use templates provided on the Permit webpage.
- Post signs no more than 48 hours prior to treatment.
- Post signs so that they are secure from the normal effects of weather and water currents.
- Make best efforts to ensure that the signs remain in place and are legible until removed.

Herrera posted 10 shoreline public access areas with 2- by 3-foot signs in accordance with Permit requirements. Privately-owned and publicly-owned shoreline properties (excluding public access areas) were also properly posted at approximately 180 locations with 8.5- by 11-inch signs in accordance with Permit requirements.

Herrera emailed completed pre- and post-treatment notification forms to Ecology each week as required by the Permit. No adverse incidents or spills were reported because they did not occur. Ecology did not respond to Herrera's invitation to a site inspection.

4. TREATMENT OVERSIGHT AND MONITORING

4.1. TREATMENT OVERSIGHT

The alum treatment was observed in person by a qualified Resident Engineer from Herrera during each week of treatment to record material quantities, collect water quality data, observe application procedures, and modify application procedures if needed. The Resident Engineer reviewed chemical quantity and water quality data submitted by HAB on a daily basis. The treatment application went according to the plan and was not terminated or modified by the Resident Engineer.

4.2. TREATMENT GOALS AND WATER QUALITY OBJECTIVES

The Black Lake water quality data and phosphorus budget clearly show that internal phosphorus loading from lake sediments is the primary source of phosphorus used by cyanobacteria, and that control of internal phosphorus loading is needed to reduce the amount of phosphorus available to cyanobacteria in the lake during the summer growing season (Herrera 2015). Net internal phosphorus loading to the lake (i.e., net gain by excluding sedimentation of additional phosphorus released from the sediments) varied greatly among the 3 study years but varied directly with watershed loading and consistently represented 60 percent (± 2 percent) of the total phosphorus loadings to the lake during the summer months (May through October).

Treatment goals and water quality objectives were established for the 2016 alum treatment to decrease the trophic state from eutrophic to mesotrophic (see Table 2-1) and prevent cyanobacteria blooms and lake closures for at least 5 years (Herrera 2016). Although treatment goals and water quality objectives were not explicitly stated for the 2021 treatment (HAB 2020), the treatment goal is expected to include achieving mesotrophic status and preventing lake closures for more than 5 years based on the larger dose applied in 2021. The overall treatment strategy is for half of the total dose to be applied in 2021 and the second half of the total dose to be applied on one or more occasions in the following 2 to 6 years depending on monitoring results and funding (HAB 2020). The District expects the total dose to last approximately 15 years (L. Stintzi, personal communication).

4.3. DATA QUALITY ASSURANCE

Water quality monitoring results were reviewed for data quality and comparison to data quality objectives established in the water quality monitoring plan (Herrera 2016) and Herrera's scope

of work. All data met the objectives, and no data were rejected or flagged as estimated values. The data quality review yielded the following conclusions:

- There were no changes in the monitoring plan with the exception that pH profiles were not collected on 4/1/21 and DO profiles were not collected on 4/7/21 due to instrument malfunctions on both occasions, and total aluminum was not analyzed for samples collected on 3/22/21 and 4/9.21 due to oversight.
- No significant quality assurance problems encountered, and no corrective actions were taken.
- Data quality assurance objectives were met in terms of precision, accuracy, representativeness, completeness, comparability, and detection limits.
- No limitations on use of the measurement data were identified.

4.4. JAR TESTS

Jar tests were conducted by HAB in 20-gallon containers prior to the start of each treatment day to verify that application of alum and sodium aluminate in a 2:1 ratio would not cause the lake pH to exceed the 6.5 to 8.0 limit. Two tests were conducted before the first treatment date. The first test was 100 percent of the total dose to represent the anticipated final pH. The second test was the normal daily dose of 5.9 percent of the total dose. A jar test of the 5.9 percent dose was then conducted prior to each subsequent day of treatment. The post-dose pH was measured 15 minutes after adding the chemicals.

The jar test results are presented in Table 4.1. All tests resulted in an acceptable post-dose pH ranging from 7.01 to 7.29 and the application proceeded with the planned 2:1 ratio of alum to sodium aluminate. The 100 percent of total dose decreased the pH by 0.22 while the 5.9 percent doses increased the pH by 0.04 to 0.30.

4.5. TREATMENT MONITORING

Treatment monitoring included the following three elements:

- Daily pH monitoring by HAB consisted of pH measurements in the morning before the treatment began, in evening when treatment ended, and at approximately one-hour intervals during the treatment from the application boat. This monitoring was used to verify that the Permit pH criteria (between 6.0 and 8.5) were met throughout the treatment period.
- Weekly monitoring of field parameters (temperature, dissolved oxygen [DO], pH, specific conductance, Secchi depth, and alkalinity) was conducted by Herrera during the alum

application at the two established monitoring stations (Figure 1-1) on a random day without any notification to HAB. This monitoring was used to document changes in water quality during the 17-day treatment and was not required by the Permit.

- Short-term impact monitoring was conducted by Herrera on three occasions: 1 day before, 2 days after, and 2 weeks after the treatment. Field and laboratory parameters were measured water at the two established monitoring stations (Figure 1-1) to evaluate short-term impacts of the treatment on key water quality parameters. This monitoring was performed for the 2016 alum treatment and was not required by the Permit with the exception that pH measurements for the 2-day after treatment event were used to comply with the Permit requirement of pH measurement at 24 hours after treatment.

Table 4-1. Jar Test pH Results for the 2021 Black Lake Alum Treatment.				
Date	Time	Percent of Total Dose	Pre-dose pH	Post-dose pH
3/23/21	8:30	100 ^a	7.29	7.07
3/23/21	8:30	5.9 ^b	7.29	7.33
3/24/21	6:40	5.9 ^b	6.86	7.11
3/25/21	6:15	5.9 ^b	6.91	7.01
3/26/21	6:30	5.9 ^b	7.32	7.62
3/27/21	6:10	5.9 ^b	7.22	7.39
3/28/21	6:15	5.9 ^b	7.36	7.59
3/29/21	6:15	5.9 ^b	7.26	7.40
3/30/21	6:30	5.9 ^b	7.30	7.57
3/31/21	6:30	5.9 ^b	7.24	7.39
4/1/21	6:15	5.9 ^b	7.22	7.38
4/2/21	6:15	5.9 ^b	7.17	7.28
4/3/21	6:15	5.9 ^b	7.14	7.28
4/4/21	7:10	5.9 ^b	7.07	7.23
4/5/21	6:50	5.9 ^b	7.07	7.25
4/6/21	6:30	5.9 ^b	7.10	7.28
4/7/21	6:30	5.9 ^b	7.08	7.22
4/8/21	5:45	5.9 ^b	7.10	7.24

^a Assumes total dose applied in one day

^b Assumes planned dose for the day

The alum treatment was to be suspended if the pH of the lake was consistently less than 6.0 or greater than 8.5 in samples collected at any point during the treatment. Additional monitoring would have been conducted as necessary to determine when the lake pH and alkalinity had adequately recovered. According to the 2016 treatment plan, treatment could only resume if the pH was between 6.2 and 8.4 and the alkalinity was greater than 12 mg/L at all monitoring locations (Herrera 2016).

The treatment was never suspended because all pH measurements met the criteria (between 6.0 and 8.5), as summarized below. Pretreatment and post-treatment notifications were submitted to Ecology as required by the permit. Additional notification of Ecology's Southwest Regional Office was not required because all pH results met the permit conditions and there were no chemical spills.

No fish or wildlife impacts were observed during the treatment. WDFW stocked the lake with 30,000 trout starting on 3/24/21 and ending on 3/31/21. Intensive survey of the lake for impacted trout or resident fish was conducted during the day and no impaired fish were observed. No wildlife impacts have been reported since the conclusion of the alum treatment.

4.5.1. Daily pH Monitoring

HAB monitored lake pH near the lake surface at two locations upon completion of each boat load application, which occurred approximately once every hour during the treatment. The first measurement was taken in the immediate application zone (track) and the second measurement was taken in the adjacent application zone representing 25-60 minutes of floc settlement. In accordance with the Ecology permit, the lake pH was also measured before and within one hour after each day of treatment. Work was to be suspended if the pH of lake water is less than 6.0 or greater than 8.5 throughout the lake. Work was not suspended because pH thresholds were not exceeded during the treatment.

All daily pH data collected from the application vessel can be found in Appendix A. These hourly pH measurements in the application zone ranged from 6.5 to 7.7. Table 3-3 shows the pH measurements taken before the start of treatment and 1 hour after treatment ended each day. Lake pH in the application zone did not vary more than 0.5 units before and after each treatment day.

4.5.2. Weekly Field Parameter Monitoring

Weekly monitoring consisted of *in-situ* water quality measurements and a field test of total alkalinity at the North (NB-2) and South (SB-1) monitoring stations (see Figure 1-1). Vertical profiles were performed at 1-meter intervals using a calibrated water quality multimeter (YSI ProDSS) for temperature, DO, pH, and specific conductance. Secchi depth was measured at each station using an 8-inch Secchi disk. Water samples were collected from the surface and bottom of each profile and analyzed in the field for alkalinity according to Standard Methods (APHA 2021). Contingent sampling for dissolved aluminum and hardness was planned but never required because the pH was always within the 6.0–8.5 range required by the permit (Ecology 2016). This sampling occurred once every week on three occasions by Herrera unannounced to HAB.

Weekly field parameter monitoring results are summarized in Table 4-3 for the North and South monitoring stations. For comparison, this table also includes field parameter results from the short-term monitoring conducted days before and after the treatment (described below). These

results show that average water quality conditions in Black Lake were similar for each station and did not vary much before, during, and after treatment for pH (6.81 to 7.37), alkalinity (21.0 to 25.6 mg/L as calcium carbonate [CaCO₃]), and Secchi depth (2.1 to 2.7 meters). Temperature increased due to warming weather as the treatment progressed. Conductivity increased during the treatment from a low of 65 microsiemens per centimeter (µS/cm) to a high of 110 µS/cm. The conductivity increase was primarily due to the addition of sodium aluminate buffer during the alum treatment.

Table 4-2. Daily pH Values for the Black Lake 2021 Alum Treatment.

Date	Before Start of Application	1-Hour After End of Application
3/23/21	7.29	6.94
3/24/21	6.86	6.89
3/25/21	6.91	7.45
3/26/21	7.32	7.44
3/27/21	7.22	7.41
3/28/21	7.36	7.40
3/29/21	7.26	7.35
3/30/21	7.30	7.43
3/31/21	7.24	7.38
4/1/21	7.22	7.35
4/2/21	7.17	7.28
4/3/21	7.14	7.15
4/4/21	7.07	7.02
4/5/21	7.07	7.21
4/6/21	7.10	7.19
4/7/21	7.08	7.10
4/8/21	7.10	7.09

Vertical profiles of temperature, DO, pH, and specific conductance for the North (NB-2) and South (SB-1) monitoring stations are presented in Figure 4-1. Temperatures varied little with depth and the lake was vertically mixed before and during the treatment. The lake began to stratify 2 weeks after treatment on April 22, 2021 when temperatures changed more than 1 °C per meter at depths between 2 and 5 meters. Other field parameters typically varied little with depth on any occasion except for lower dissolved oxygen concentrations in bottom waters after the treatment, which is a normal occurrence due to increased microbial respiration as the spring season progresses.

**Table 4-3. Field Water Quality Data Summary for the Black Lake 2021
Alum Treatment.**

			1-Day Before Treatment (3/22/21)	Week 1 (3/26/21)	Week 2 (4/1/21)	Week 3 (4/7/21)	2-Days After Treatment (4/9/21)	2-Weeks After Treatment (4/22/21)
Temperature (°C)	North	Avg.	8.6	8.4	8.7	10.8	10.6	13.5
		Min.	8.0	8.3	8.0	9.5	10.3	10.5
		Max.	9.0	8.5	10.5	11.6	10.7	15.2
	South	Avg.	8.3	8.5	8.6	10.6	10.0	12.6
		Min.	8.3	8.4	7.9	9.1	9.2	10.2
		Max.	8.5	8.6	10.0	11.6	10.3	15.3
Dissolved Oxygen (mg/L)	North	Avg.	11.6	11.3	10.9	–	10.3	9.9
		Min.	10.7	10.4	10.85	–	9.3	8.1
		Max.	11.9	11.4	11.0	–	10.4	10.4
	South	Avg.	11.3	11.5	10.8	–	9.9	9.8
		Min.	11.1	10.1	10.6	–	8.5	8.1
		Max.	11.6	11.9	10.9	–	10.3	10.3
pH	North	Avg.	7.35	7.26	–	7.37	7.13	7.30
		Min.	7.16	7.24	–	7.19	7.11	6.92
		Max.	7.83	7.28	–	7.90	7.14	7.47
	South	Avg.	6.97	7.37	–	6.98	6.81	7.14
		Min.	6.58	7.28	–	6.89	6.76	6.84
		Max.	7.18	7.48	–	7.03	6.86	7.32
Specific Conduct- ance (µS/cm)	North	Avg.	65	72	89	103	105	97
		Min.	64	72	88	101	103	97
		Max.	65	74	90	105	105	98
	South	Avg.	65	74	89.1	102	108	98
		Min.	65	73	87.5	94	101	97
		Max.	66	76	91.8	107	110	99
Alkalinity	North	Avg.	24.0	24.2	24.4	23.0	23.1	24.2
		Min.	24.0	24.1	24.3	22.5	23.0	24.0
		Max.	24.0	24.2	24.5	23.5	23.2	24.5
	South	Avg.	25.0	22.9	25.2	22.4	22.2	23.8
		Min.	24.3	21.0	25.0	22.0	22.0	23.5
		Max.	25.6	24.8	25.5	22.8	22.5	24.0
Secchi Depth (m)	North	–	2.1	2.4	2.4	2.4	2.7	2.4
	South	–	2.4	2.4	2.4	2.4	2.7	2.4

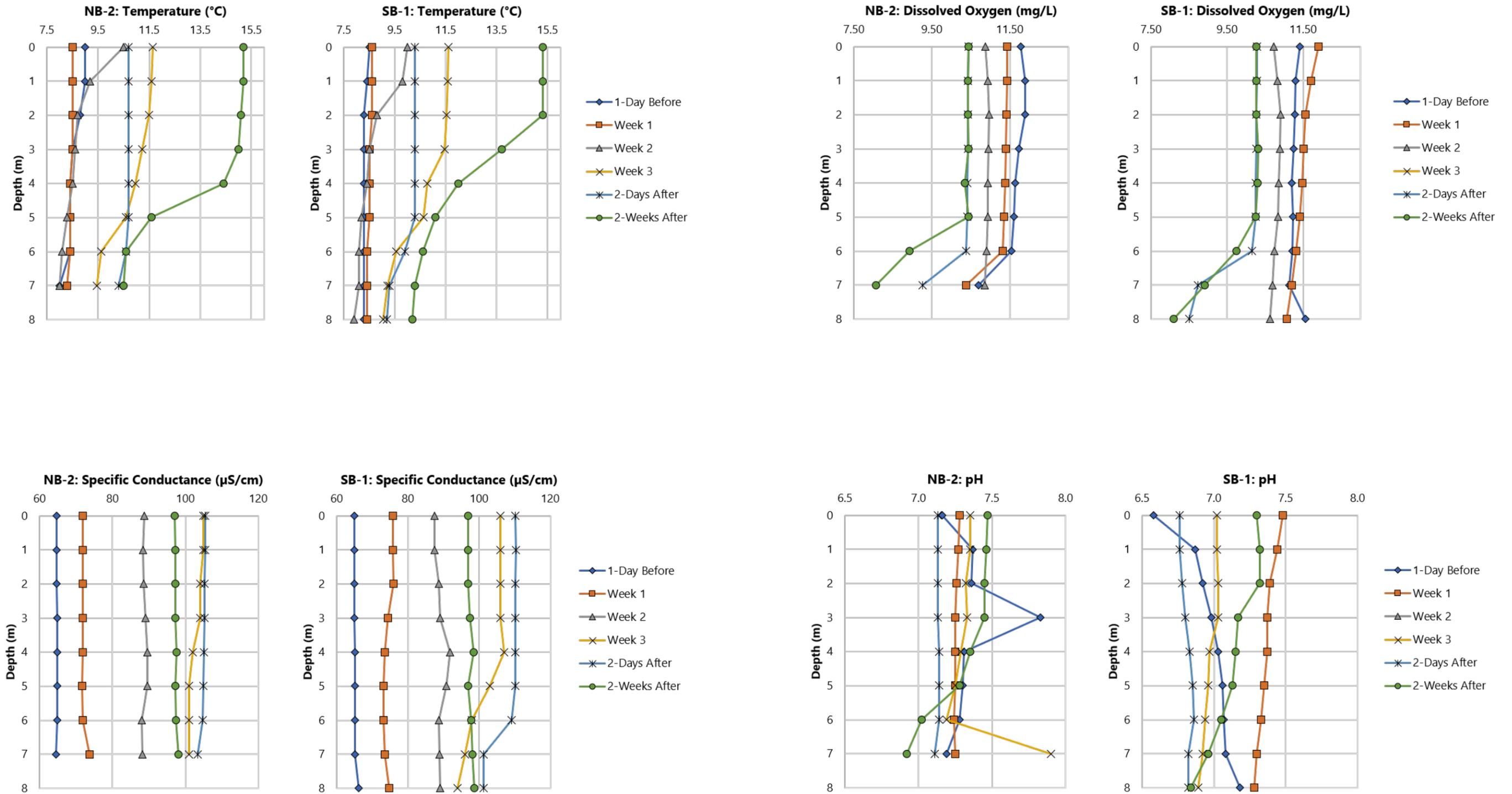


Figure 4-1. Vertical Profiles of Temperature, Dissolved Oxygen, Specific Conductance, and pH at the South (SB-1) and North (NB-2) Monitoring Stations for the Black Lake 2021 Alum Treatment.

4.5.3. Short-Term Impact Monitoring

Short-term impact monitoring was conducted by Herrera 1 day before treatment, 2 days after treatment, and 2 weeks after the treatment at the two established monitoring stations to evaluate short-term impacts of the treatment on key water quality parameters. Field measurements were performed as described and presented above for weekly monitoring. Water samples were collected from the surface (1 meter depth) and bottom (1 meter from the lake bottom) of the lake at each station for laboratory analysis of key parameters.

The collected samples were analyzed by a state-certified laboratory (IEH Environmental Laboratories in Seattle) for all parameters specified in the 2016 alum treatment plan (Herrera 2016) including total phosphorus (TP), soluble reactive phosphorus (SRP), dissolved aluminum, sulfate, and chlorophyll-a, which includes phaeophytin-a (degraded chlorophyll-a). In addition, the samples were analyzed total hardness and dissolved organic carbon (DOC) because the aquatic life toxicity criteria for aluminum were recently updated by the U.S. Environmental Protection Agency in 2018 that are calculated as a function of pH, hardness, and DOC (EPA 2021). The laboratory analyses were performed using approved methods with low detection limits (APHA 2021, EPA 2012). Total aluminum was inadvertently not analyzed due to a misunderstanding that the aluminum criteria were based on dissolved aluminum not total aluminum. However, this error was recognized in time allow analysis of the 2-week post-treatment samples for total aluminum.

Laboratory results of short-term impact monitoring are presented in Table 4-4. All data were collected, and quality control procedures were followed as planned. All data quality objectives established by the 2016 monitoring plan (Appendix A in Herrera 2016) were met for precision, bias, representativeness, completeness, and comparability (except for the lack of total aluminum data), No data were rejected or flagged as estimates during data quality review. The laboratory reports and data quality review worksheets are presented in Appendix B.

As expected, the alum treatment greatly reduced TP, SRP, chlorophyll-a, and DOC concentrations throughout the water column due to adsorption and sinking with the alum floc. The mean TP concentration for north and south stations decreased from 33 µg/L at the surface and 19 µg/L at the bottom before treatment to approximately 10 µg/L for both depths at 2 days and 2 weeks after treatment. The mean SRP concentration decreased from 2 µg/L before treatment to undetected at less than 1 after treatment. The mean chlorophyll-a concentration decreased from 10-11 µg/L before treatment to 2-3 µg/L after treatment. The mean DOC concentration decreased 3.3-3.4 mg/L before treatment to 1.7-2.1 mg/L after treatment. These reductions compare to no significant change observed following the much smaller alum dose and amount of alum floc applied in 2016 (see Table 4-4).

The mean alkalinity concentrations for north and south stations changed very little from 24-25 mg/L as CaCO₃ before treatment to 23-24 mg/L as CaCO₃ after treatment. However, the treatment greatly increased hardness (due to calcium) from 18 mg/L as CaCO₃ before treatment to 27-29 mg/L as CaCO₃ after treatment.

Table 4-4. Short-Term Monitoring Results for Surface and Bottom Water Samples Collected at Two Stations for the 2021 Alum Treatment Compared to Means for Both Stations for the 2016 Alum Treatment of Black Lake.

Parameter		Alkalinity (mg/L as CaCO ₃)	Hardness (mg/L as CaCO ₃)	Dissolved Organic Carbon (mg/L)	Total Phosphorus (µg/L)	Soluble Reactive Phosphorus (µg/L)	Dissolved Aluminum (mg/L)	Total Aluminum (mg/L)	Sulfate (mg/L)	Chloro- phyll-a (µg/L)	Phaeo- phytin-a (µg/L)
2021 Alum Treatment											
North Surface	Pretreatment	24.0	18.2	3.21	50.2	2.4	0.009	-	3.6	10.3	1.6
	2-Day Post-Treat	23.2	27.1	1.96	7.9	<1.0	0.108	-	20.6	2.7	3.3
	2-Week Post-Treat	24.5	29.0	1.82	9.7	<1.0	0.115	0.820	22.3	2.7	2.2
North Bottom	Pretreatment	24.0	18.0	3.16	19.5	2.1	0.010	-	3.3	13.0	2.1
	2-Day Post-Treat	23.0	26.9	2.01	12.6	<1.0	0.084	-	20.4	2.1	3.1
	2-Week Post-Treat	24.0	30.4	1.75	11.0	<1.0	0.081	0.850	22.3	2.7	2.6
South Surface	Pretreatment	25.7	18.9	3.56	16.5	2.1	0.013	-	3.8	10.5	1.3
	2-Day Post-Treat	22.0	27.1	2.23	8.4	<1.0	0.072	-	23.3	2.1	2.7
	2-Week Post-Treat	24.0	29.2	2.03	10.5	< 1.0	0.110	0.800	21.0	3.2	1.7
South Bottom	Pretreatment	24.3	18.9	3.49	18.7	2.2	0.010	-	3.2	9.5	0.5
	2-Day Post-Treat	22.5	27.1	1.69	9.1	<1.0	0.066	-	23.1	2.1	3.1
	2-Week Post-Treat	23.5	28.4	1.67	11.5	<1.0	0.079	0.980	23.1	2.7	2.6
2016 Alum Treatment											
North/ South Surface	Pretreatment	26.4	-	-	20.0	<1.0	0.007	0.055	1.2	3.8	1.4
	2-Day Post-Treat	24.5	-	-	14.0	<1.0	0.039	0.864	6.1	3.4	<0.1
	2-Week Post-Treat	26.4	-	-	16.0	1.5	0.081	0.636	6.7	4.5	0.8
North/ South Bottom	Pretreatment	25.9	-	-	14.0	<1.0	0.005	0.056	1.5	1.0	1.3
	2-Day Post-Treat	25.8	-	-	16.5	<1.0	0.041	0.792	3.8	2.6	<0.1
	2-Week Post-Treat	27.3	-	-	16.5	<1.0	0.069	0.749	5.5	4.3	0.3

The mean sulfate concentration also greatly increased from 3-4 mg/L before treatment to 22-23 mg/L after treatment. Although freshwater aquatic toxicity criteria have not been established for sulfate by EPA or Ecology, a guideline of 128 mg/L has been established by the British Columbia (BC) Ministry of Environment (BCMOE 2013) for very soft waters (up to 30 mg/L as CaCO₃) like those present in Black Lake. The range of sulfate observed in Black Lake before and after the treatment was well below the BC criterion and within the range of 3 to 30 mg/L reported for natural background waters in BC.

Mean aluminum concentrations for surface and bottom water samples are presented in Table 4-5 for both the 2021 and 2016 alum treatments. Dissolved aluminum concentrations increased from the pretreatment (background) level of 0.01 mg/L to 0.1 mg/L at 2 days and 2 weeks after the 2021 treatment. Total aluminum concentrations for the pretreatment and 2-day post-treatment samples were estimated by multiplying the measured dissolved aluminum concentrations for those samples by the ratio of total to dissolved aluminum for the respected samples analyzed for the 2016 treatment where the ratio was approximately 20 for the 2-day post-treatment samples compared to approximately 10 for the pretreatment and 2-week post-treatment samples. The total aluminum concentrations measured in the 2-week post-treatment samples were within 10 percent of the estimated values, suggesting estimates are reasonably accurate for the pretreatment and 2-day post-treatment samples. Total aluminum concentrations increased from the pretreatment (background) level of 0.1 mg/L to 1.5-2.0 mg/L at 2 days after the 2021 treatment, and then decreased to 0.9 mg/L at 2 weeks after the 2021 treatment.

The aluminum results are compared in Table 4-5 to acute and chronic aquatic toxicity criteria recently developed for total aluminum by EPA in 2018 (EPA 2021). Acute criteria are based on a 1-hour average concentration known as the criterion maximum concentration (CMC). Chronic criteria are based on a 4-day average concentration known as the criterion continuous concentration (CCC). These criteria are based on the most sensitive organism tested, include a safety factor, and are not to be exceeded more than once every 3 years.

None of the dissolved aluminum concentrations exceeded either the acute criterion (based on a 1-hour average) or the chronic criterion (based on a 4-day average). Estimated total aluminum concentrations for the 2-day post-treatment surface and bottom samples exceeded the acute criterion by approximately a factor of two (see bold values in Table 4-5). Measured total aluminum concentrations for the 2-week post-treatment surface samples exceeded the chronic criterion but not the acute criterion, while those for the 2-week bottom samples slightly exceeded acute criterion due to the lower pH in the bottom water samples (6.99) than the surface water samples (7.39). Exceedance of the acute or chronic criterion indicates some sensitive aquatic organisms may have been impacted by the 2021 alum treatment in the short-term or long-term, respectively. Invertebrates in the water (zooplankton) and sediment (benthos) are typically more sensitive than fish and no fish impacts were observed. It is anticipated that total aluminum concentrations returned to pretreatment levels and any impacted invertebrates would have repopulated the lake in the summer months following the treatment.

Table 4-5. Comparison of Aluminum Concentrations to Toxicity Criteria for Black Lake Alum Treatments.

Location	Event	Dissolved Organic Carbon (mg/L)	Hardness (mg/L as CaCO ₃)	pH	Aluminum Acute Criterion (mg/L) ^a	Aluminum Chronic Criterion (mg/L) ^a	Dissolved Aluminum (mg/L)	Total Aluminum (mg/L)	Total/Dissolved Aluminum Ratio ^b	Estimated Total Aluminum (mg/L) ^b
2021 Alum Treatment										
North/South Surface Mean	Pretreatment	3.39	18.5	7.12	1.100	0.480	0.011	–	8	<i>0.086</i>
	2-Day Post-Treat	2.10	27.1	6.95	0.850	0.360	0.090	–	22	<i>1.994</i>
	2-Week Post-Treat	1.93	29.1	7.39	1.300	0.590	0.113	<u>0.810</u>	7	<u><i>0.884</i></u>
North/South Bottom Mean	Pretreatment	3.33	18.4	7.18	1.200	0.500	0.010	–	11	<i>0.114</i>
	2-Day Post-Treat	1.85	27.0	6.98	0.830	0.360	0.075	–	19	<i>1.449</i>
	2-Week Post-Treat	1.71	29.4	6.99	0.840	0.360	0.080	<u>0.915</u>	11	<u><i>0.868</i></u>
2016 Alum Treatment										
North/South Surface Mean	Pretreatment	–	–	7.31	–	–	0.007	0.055	8	–
	2-Day Post-Treat	–	–	7.13	–	–	0.039	0.864	22	–
	2-Week Post-Treat	–	–	7.46	–	–	0.081	0.636	8	–
North/South Bottom Mean	Pretreatment	–	–	6.88	–	–	0.005	0.056	11	–
	2-Day Post-Treat	–	–	6.69	–	–	0.041	0.792	19	–
	2-Week Post-Treat	–	–	7.06	–	–	0.069	0.749	11	–

Bold aluminum concentrations exceed the acute criterion for total aluminum. Underlined aluminum concentrations exceed the chronic criterion.

^a Acute (CMC) criteria based on 1-hour average and chronic (CCC) criteria based on 4-day average concentrations of total aluminum from 2018 EPA criteria (EPA 2021).

^b Numbers in italics are estimated values for total aluminum and associated ratios for 2021 by assuming equivalent total/dissolved aluminum ratios from the 2016 alum treatment.

5. CONCLUSIONS AND RECOMMENDATIONS

The 2021 alum treatment was performed over a 17-day period from March 23 through April 8, 2021. The area of the lake within the 2-foot depth contour was treated at 317 g Al/m² on an area basis and 54.5 mg Al/L on a volume basis in accordance with the treatment plan and permit. HAB Aquatic Solutions applied a total of 234,213 gallons of liquid aluminum sulfate (alum) from 49 truckloads and 117,098 gallons of liquid sodium aluminate (buffer) from 33 truckloads. The materials were applied simultaneously at a volumetric ratio of 2:1 (alum: sodium aluminate) for phosphorus control in Blake Lake. Based on these material volumes and contents, 532,366 kilograms (kg) of aluminum was added from the alum, and 159,722 kg of aluminum was added from the buffer, for a total aluminum dose of 692,088 kg.

HAB monitored pH and Herrera conducted contractor oversight and water quality monitoring of the treatment before, during, and after the treatment. The treatment was never suspended because all pH measurements met the criteria (between 6.0 and 8.5). No fish or wildlife impacts were observed during the treatment. Pretreatment and post-treatment notifications were submitted to Ecology as required by the permit.

Average water quality conditions in Black Lake did not vary much before, during, and after treatment for field parameters including pH (6.81 to 7.37), alkalinity (21.0 to 25.6 mg/L as CaCO₃, and Secchi depth (2.1 to 2.7 meters). As expected, the alum treatment greatly reduced TP, SRP, chlorophyll-a, and DOC concentrations throughout the water column due to adsorption and sinking with the alum floc. The mean TP concentration decreased from 33 µg/L at the surface and 19 µg/L at the bottom before treatment to approximately 10 µg/L for both depths at 2 days and 2 weeks after treatment. The mean chlorophyll-a concentration decreased from 10-11 µg/L before treatment to 2-3 µg/L after treatment. The mean DOC concentration decreased 3.3-3.4 mg/L before treatment to 1.7-2.1 mg/L after treatment. These reductions compare to no significant change observed following the much smaller alum dose and amount of alum floc applied in 2016.

Total aluminum concentrations in the 2-day post-treatment surface and bottom water samples exceeded the acute toxicity criterion (based on a 1-hour average) by approximately a factor of two, whereas total aluminum concentrations in the 2-week post-treatment samples slightly exceeded the acute criterion in the bottom waters and exceeded the chronic criterion (based on a 4-day average) in the surface waters. Exceedance of toxicity criteria indicates some sensitive aquatic organisms may have been impacted by the 2021 alum treatment. It is anticipated that total aluminum concentrations returned to pretreatment levels and any impacted organisms would have repopulated the lake in the summer months following the treatment.

Thurston County began routine monitoring of Black Lake the 2021 summer period (May through October) on May 17, 2021. It is recommended that post-monitoring results from the summer of 2021 are evaluated to determine the effectiveness of the 2021 alum treatment. It is also recommended that Thurston County and the District continue efforts to control the external load the Black Lake, as recommended by the Phase 2 watershed pollutant study by Herrera (2021b).

6. REFERENCES

APHA. 2012. Standard Methods for the Examination of Water and Wastewater, 22nd Edition. American Public Health Association, Washington, DC.

BCMOE. 2013. Ambient Water Quality Guidelines for Sulphate, Technical Appendix. Prepared by Cindy Meays, Ph.D. and Rick Nordin, Ph.D., Water Protection & Sustainability Branch, Environmental Sustainability and Strategic Policy Division, British Columbia Ministry of Environment. Update Apri.

Ecology. 2016. Aquatic Plant and Algae Management General Permit. A National Pollutant Discharge Elimination System and State Waste Discharge General Permit. Washington Department of Ecology, Olympia, Washington. Issued March 2.

Ecology. 2020. Freshwater Algae Bloom Monitoring Program Data. Washington State Department of Ecology, Olympia, Washington. Cyanotoxin data obtained from the Washington State Toxic Algae website. <<https://www.nwtoxicalgae.org>>.

EPA. 2012. Federal Register 40 CFR Part 136 – Guidelines for Establishing Test Procedures for the Analysis of Pollutants. U.S. Environmental Protection Agency, Water Programs, Washington, D.C. Accessed on October 4, 2019. <<https://www.federalregister.gov/documents/2012/05/18/2012-10210/guidelines-establishing-test-procedures-for-the-analysis-of-pollutants-under-the-clean-water-act>>.

EPA. 2021. 2018 Final Aquatic Life Criteria for Aluminum in Freshwater. U.S. Environmental Protection Agency website: <<https://www.epa.gov/wqc/2018-final-aquatic-life-criteria-aluminum-freshwater>>.

HAB. 2020. Black Lake 2021 Buffered Alum Application Workplan. Prepared for Black Lake Special District, Olympia, Washington, by HAB Aquatic Solutions, Seattle, Washington. December 18.

Herrera. 2015. Black Lake Phosphorus and Algae Control Plan. Prepared for Black Lake Special District, Olympia, Washington, by Herrera Environmental Consultants, Inc., Seattle, Washington. June 16.

Herrera. 2016. Black Lake Alum Treatment Plan. Prepared for Black Lake Special District, Olympia, Washington, by Herrera Environmental Consultants, Inc., Seattle, Washington. January 22.

Herrera. 2019. Water Quality Data Report, Black Lake Watershed Pollutant Monitoring: Phase 1. Prepared for Black Lake Special District, Olympia, Washington, by Herrera Environmental Consultants, Inc., Seattle, Washington. September 12.

Herrera 2020. Lone Lake Algae Management Plan. Prepared for Whidbey Island Conservation District, Coupeville, Washington by Herrera Environmental Consultants. Inc., Seattle Washington. July 14.

Herrera. 2021a. Trophic Cascade Effects on Algae Blooms in Washington State. Prepared for Liberty Lake Sewer and Water District, Liberty Lake, Washington by Herrera Environmental Consultants. Inc., Seattle Washington. May 12.

Herrera. 2021b. Water Quality Data Report, Black Lake Watershed Pollutant Monitoring: Phase2. Prepared for Black Lake Special District, Olympia, Washington, by Herrera Environmental Consultants, Inc., Seattle, Washington. May 19.

Thurston County. 2020a. Annual Monitoring Reports, 2019 Black Lake Water Quality Report. Thurston County Environmental Health Division, Olympia, Washington.
<<https://www.co.thurston.wa.us/health/ehrp/annualreport.html>>.

APPENDIX A

Contractor Submittals

Jar Test Log for Black Lake, WA Alum Application - 2021

Post-dose pH measured in jar 15 minutes after adding the alum dose
 100% dose = 4.90 ml alum & 2.45 ml sodium aluminate in 20 gal of lake water
 5.9% dose = 0.288 ml alum & 0.144 ml sodium aluminate in 20 gal of lake water

Date	Lake	Time of Water	Percent of	Pre-dose pH	Post-dose pH	Notes
		Collection	Total Dose			
3/23/21	Black	8:30	100*	7.29	7.07	*Assumes total dose applied in one day
3/23/21	Black	8:30	5.9*	7.29	7.33	*Assumes planned dose for the day & 17 days to complete application
3/24/21	Black	6:40	5.9	6.86	7.11	
3/25/21	Black	6:15	5.9	6.91	7.01	
3/26/21	Black	6:30	5.9	7.32	7.62	
3/27/21	Black	6:10	5.9	7.22	7.39	
3/28/21	Black	6:15	5.9	7.36	7.59	
3/29/21	Black	6:15	5.9	7.26	7.40	
3/30/21	Black	6:30	5.9	7.30	7.57	
3/31/21	Black	6:30	5.9	7.24	7.39	
4/1/21	Black	6:15	5.9	7.22	7.38	
4/2/21	Black	6:15	5.9	7.17	7.28	
4/3/21	Black	6:15	5.9	7.14	7.28	
4/4/21	Black	7:10	5.9	7.07	7.23	
4/5/21	Black	6:50	5.9	7.07	7.25	
4/6/21	Black	6:30	5.9	7.10	7.28	
4/7/21	Black	6:30	5.9	7.08	7.22	
4/8/21	Black	5:45	5.9	7.10	7.24	Last day of application

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
3/23/21	Black	8:30	7.29		Prior to starting application
3/23/21	Black	9:45	7.06	7.14	
3/23/21	Black	10:25	6.92	7.00	
3/23/21	Black	10:55	7.05	6.70	
3/23/21	Black	11:40	6.85	6.91	
3/23/21	Black	12:20	6.81	6.97	
3/23/21	Black	13:10	6.97	7.04	
3/23/21	Black	13:50	6.66	6.75	
3/23/21	Black	14:25	6.54	6.94	
3/23/21	Black	15:00	6.81	7.01	
3/23/21	Black	15:45	6.78	6.91	
3/23/21	Black	16:30	6.67	6.82	
3/23/21	Black	17:10	6.75	6.94	
3/23/21	Black	17:50	6.80	6.99	
3/23/21	Black	18:55	6.75	6.85	
3/23/21	Black	19:35	6.92	7.10	
3/23/21	Black	20:15	6.88	7.06	
3/23/21	Black	21:30		6.94	Approx. 1 hr after application
3/24/21	Black	6:40		6.86	Prior to starting application
3/24/21	Black	8:25	6.63	7.10	
3/24/21	Black	9:10	6.88	7.04	
3/24/21	Black	10:10	6.72	6.94	
3/24/21	Black	11:00	6.56	6.72	
3/24/21	Black	12:40	6.81	6.99	
3/24/21	Black	13:40	6.62	7.06	
3/24/21	Black	14:40	6.71	6.94	
3/24/21	Black	15:55	6.88	6.99	
3/24/21	Black	16:45	6.60	7.03	
3/24/21	Black	18:05		6.89	Approx. 1 hr after application
3/25/21	Black	6:15		6.91	Prior to starting application
3/25/21	Black	7:20	6.50	6.62	
3/25/21	Black	8:20	6.58	6.77	
3/25/21	Black	9:15	6.64	6.81	
3/25/21	Black	9:45	6.82	6.69	
3/25/21	Black	10:25	6.59	6.72	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
3/25/21	Black	11:25	6.72	6.80	
3/25/21	Black	12:20	6.91	7.10	
3/25/21	Black	13:10	6.99	7.26	
3/25/21	Black	13:50	6.91	7.39	
3/25/21	Black	14:30	7.18	7.42	
3/25/21	Black	15:20	7.26	7.38	
3/25/21	Black	16:00	7.10	7.37	
3/25/21	Black	16:40	7.22	7.41	
3/25/21	Black	17:20	7.14	7.38	
3/25/21	Black	18:50		7.45	Approx. 1 hr after application
3/26/21	Black	6:30		7.32	Prior to starting application
3/26/21	Black	7:35	7.44	7.65	
3/26/21	Black	8:20	6.82	7.42	
3/26/21	Black	9:10	6.95	7.51	
3/26/21	Black	10:00	7.42	7.36	
3/26/21	Black	10:50	7.27	7.48	
3/26/21	Black	11:55	7.15	7.38	
3/26/21	Black	12:35	7.28	7.46	
3/26/21	Black	13:10	7.29	7.37	
3/26/21	Black	13:45	7.44	7.42	
3/26/21	Black	14:50	7.14	7.32	
3/26/21	Black	15:55	7.31	7.45	
3/26/21	Black	17:10	7.09	7.28	
3/26/21	Black	17:40	7.41	7.37	
3/26/21	Black	18:15	7.31	7.42	
3/26/21	Black	18:50	6.97	7.31	
3/26/21	Black	19:25	6.98	7.22	
3/26/21	Black	20:20		7.44	Approx. 1 hr after application
3/27/21	Black	6:10		7.22	Prior to starting application
3/27/21	Black	7:15	7.28	7.37	
3/27/21	Black	8:20	7.31	7.42	
3/27/21	Black	9:25	7.11	7.39	
3/27/21	Black	10:15	7.20	7.36	
3/27/21	Black	11:15	7.08	7.22	
3/27/21	Black	12:15	7.51	7.40	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
3/27/21	Black	13:15	7.42	7.36	
3/27/21	Black	14:10	7.18	7.31	
3/27/21	Black	14:50	7.26	7.45	
3/27/21	Black	15:30	7.42	7.31	
3/27/21	Black	16:05	7.26	7.42	
3/27/21	Black	16:35	7.06	7.38	
3/27/21	Black	17:15	7.17	7.44	
3/27/21	Black	17:50	7.07	7.39	
3/27/21	Black	18:50	7.10	7.34	
3/27/21	Black	20:30		7.41	Approx. 1 hr after application
3/28/21	Black	6:15		7.36	Prior to starting application
3/28/21	Black	7:20	7.25	7.27	
3/28/21	Black	7:55	7.27	7.20	
3/28/21	Black	8:25	7.10	7.26	
3/28/21	Black	9:00	7.20	7.28	
3/28/21	Black	9:30	7.24	7.26	
3/28/21	Black	10:10	7.18	7.31	
3/28/21	Black	10:40	7.18	7.25	
3/28/21	Black	11:15	7.22	7.34	
3/28/21	Black	11:45	7.18	7.42	
3/28/21	Black	12:20	7.19	7.36	
3/28/21	Black	12:50	7.24	7.41	
3/28/21	Black	13:25	7.20	7.28	
3/28/21	Black	14:30	7.15	7.37	
3/28/21	Black	15:35		7.40	Approx. 1 hr after application
3/29/21	Black	6:15		7.26	Prior to starting application
3/29/21	Black	7:25	7.20	7.36	
3/29/21	Black	8:25	7.24	7.37	
3/29/21	Black	9:25	7.28	7.40	
3/29/21	Black	10:20	7.46	7.37	
3/29/21	Black	11:10	7.30	7.39	
3/29/21	Black	12:05	7.26	7.32	
3/29/21	Black	12:55	7.18	7.38	
3/29/21	Black	13:50	6.99	7.39	
3/29/21	Black	14:45	7.15	7.36	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
3/29/21	Black	15:40	6.80	7.33	
3/29/21	Black	16:40	7.66	7.32	
3/29/21	Black	17:35	6.75	7.31	
3/29/21	Black	19:05		7.35	Approx. 1 hr after application
3/30/21	Black	6:30		7.30	Prior to starting application
3/30/21	Black	8:00	7.00	7.36	
3/30/21	Black	8:30	7.17	7.38	
3/30/21	Black	9:45	7.15	7.34	
3/30/21	Black	10:20	7.41	7.27	
3/30/21	Black	11:05	7.31	7.29	
3/30/21	Black	11:55	7.20	7.36	
3/30/21	Black	12:35	7.11	7.38	
3/30/21	Black	13:35	7.22	7.28	
3/30/21	Black	14:30	7.14	7.37	
3/30/21	Black	15:30	7.04	7.30	
3/30/21	Black	16:25	7.20	7.29	
3/30/21	Black	17:25	7.02	7.37	
3/30/21	Black	18:20	7.18	7.40	
3/30/21	Black	19:15	7.02	7.36	
3/30/21	Black	20:40		7.43	Approx. 1 hr after application
3/31/21	Black	6:30		7.24	Prior to starting application
3/31/21	Black	9:10	7.19	7.37	
3/31/21	Black	10:55	7.26	7.40	
3/31/21	Black	11:25	7.30	7.36	
3/31/21	Black	12:00	7.11	7.28	
3/31/21	Black	12:35	7.07	7.24	
3/31/21	Black	13:10	7.18	7.29	
3/31/21	Black	13:40	7.24	7.27	
3/31/21	Black	14:20	7.07	7.31	
3/31/21	Black	14:55	7.21	7.37	
3/31/21	Black	15:30	7.34	7.29	
3/31/21	Black	16:10	7.28	7.41	
3/31/21	Black	16:45	7.44	7.35	
3/31/21	Black	17:20	7.07	7.27	
3/31/21	Black	17:55	7.11	7.22	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
3/31/21	Black	18:30	7.15	7.36	
3/31/21	Black	19:10	7.29	7.41	
3/31/21	Black	20:15		7.38	Approx. 1 hr after application
4/1/21	Black	6:15		7.22	Prior to starting application
4/1/21	Black	7:25	7.31	7.28	
4/1/21	Black	10:30	7.40	7.23	
4/1/21	Black	11:10	7.28	7.37	
4/1/21	Black	11:50	7.19	7.41	
4/1/21	Black	12:25	7.11	7.32	
4/1/21	Black	13:00	7.42	7.26	
4/1/21	Black	13:35	7.20	7.34	
4/1/21	Black	14:40	7.21	7.40	
4/1/21	Black	15:40	7.34	7.24	
4/1/21	Black	16:15	7.18	7.22	
4/1/21	Black	16:50	7.21	7.34	
4/1/21	Black	17:25	7.46	7.28	
4/1/21	Black	17:55	7.50	7.39	
4/1/21	Black	18:30	7.11	7.26	
4/1/21	Black	19:05	7.09	7.29	
4/1/21	Black	20:30		7.35	Approx. 1 hr after application
4/2/21	Black	6:15		7.17	Prior to starting application
4/2/21	Black	7:20	7.21	7.14	
4/2/21	Black	7:55	7.18	7.22	
4/2/21	Black	8:30	6.91	7.19	
4/2/21	Black	9:35	6.99	7.20	
4/2/21	Black	10:40	7.02	7.18	
4/2/21	Black	12:40	7.31	7.28	
4/2/21	Black	13:35	7.04	7.18	
4/2/21	Black	14:35	7.10	7.32	
4/2/21	Black	15:20	7.01	7.24	
4/2/21	Black	16:10	7.08	7.16	
4/2/21	Black	16:55	7.24	7.29	
4/2/21	Black	17:45	7.05	7.08	
4/2/21	Black	18:20	7.02	7.10	
4/2/21	Black	18:55	6.98	7.15	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
4/2/21	Black	19:30	7.10	7.23	
4/2/21	Black	20:30		7.28	Approx. 1 hr after application
4/3/21	Black	6:15		7.14	Prior to starting application
4/3/21	Black	7:30	7.32	7.12	
4/3/21	Black	8:20	7.22	7.10	
4/3/21	Black	9:05	6.99	7.06	
4/3/21	Black	9:45	6.98	7.14	
4/3/21	Black	10:20	7.20	7.10	
4/3/21	Black	11:15	7.12	7.07	
4/3/21	Black	11:55	7.11	7.09	
4/3/21	Black	12:35	7.18	7.20	
4/3/21	Black	13:10	7.14	7.06	
4/3/21	Black	13:50	7.02	7.14	
4/3/21	Black	14:20	7.14	7.07	
4/3/21	Black	15:15	6.97	7.09	
4/3/21	Black	16:10	7.20	7.16	
4/3/21	Black	17:10	7.00	7.08	
4/3/21	Black	18:15		7.15	Approx. 1 hr after application
4/4/21	Black	7:10		7.07	Prior to starting application
4/4/21	Black	8:20	7.07	7.13	
4/4/21	Black	8:55	7.02	7.10	
4/4/21	Black	9:30	7.19	7.17	
4/4/21	Black	10:30	7.21	7.14	
4/4/21	Black	11:00	7.00	7.07	
4/4/21	Black	11:35	7.09	7.14	
4/4/21	Black	12:15	7.04	7.12	
4/4/21	Black	13:10	7.10	7.17	
4/4/21	Black	14:00	7.11	7.12	
4/4/21	Black	14:30	6.97	7.08	
4/4/21	Black	15:10	7.04	7.16	
4/4/21	Black	15:45	7.29	7.17	
4/4/21	Black	16:20	7.29	7.18	
4/4/21	Black	18:00		7.20	Approx. 1 hr after application
4/5/21	Black	6:50		7.07	Prior to starting application
4/5/21	Black	8:00	7.15	7.10	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
4/5/21	Black	8:35	7.08	7.12	
4/5/21	Black	9:10	7.17	7.14	
4/5/21	Black	9:45	7.10	7.13	
4/5/21	Black	10:35	7.08	7.12	
4/5/21	Black	11:15	7.06	7.11	
4/5/21	Black	11:55	7.22	7.12	
4/5/21	Black	12:30	7.25	7.17	
4/5/21	Black	13:05	7.07	7.15	
4/5/21	Black	13:35	7.21	7.10	
4/5/21	Black	14:10	7.04	7.11	
4/5/21	Black	14:45	7.01	7.09	
4/5/21	Black	15:15	7.20	7.11	
4/5/21	Black	15:55	7.07	7.14	
4/5/21	Black	17:00		7.21	Approx. 1 hr after application
4/6/21	Black	6:30		7.10	Prior to starting application
4/6/21	Black	7:30	7.01	7.10	
4/6/21	Black	8:05	6.96	7.09	
4/6/21	Black	8:40	7.00	7.10	
4/6/21	Black	9:15	7.07	7.11	
4/6/21	Black	9:50	7.22	7.12	
4/6/21	Black	10:25	7.19	7.11	
4/6/21	Black	11:00	7.14	7.18	
4/6/21	Black	11:35	7.05	7.13	
4/6/21	Black	12:10	7.19	7.10	
4/6/21	Black	12:45	7.10	7.23	
4/6/21	Black	13:20	7.08	7.06	
4/6/21	Black	13:50	7.10	7.18	
4/6/21	Black	14:25	7.00	7.07	
4/6/21	Black	15:00	7.08	7.19	
4/6/21	Black	15:35	6.98	7.11	
4/6/21	Black	17:00		7.19	Approx. 1 hr after application
4/7/21	Black	6:30		7.08	Prior to starting application
4/7/21	Black	7:40	7.11	7.01	
4/7/21	Black	8:10	7.06	7.09	
4/7/21	Black	8:45	7.00	7.10	

Lake pH Log for Black Lake, WA Alum Application - 2021

All readings collected 0.25 m below surface

Date	Lake	Time	pH in application zone & behind barge	pH in applicaton zone, but not behind barge	Notes
4/7/21	Black	9:15	7.11	7.18	
4/7/21	Black	9:50	7.00	7.02	
4/7/21	Black	10:25	6.98	7.08	
4/7/21	Black	10:55	7.06	7.07	
4/7/21	Black	11:25	6.99	7.10	
4/7/21	Black	12:00	7.02	7.02	
4/7/21	Black	12:40	7.17	7.10	
4/7/21	Black	13:20	7.17	7.07	
4/7/21	Black	13:55	7.24	7.10	
4/7/21	Black	14:35	6.97	7.03	
4/7/21	Black	15:05	6.99	7.00	
4/7/21	Black	18:25	7.02	7.08	
4/7/21	Black	19:05	7.03	7.06	
4/7/21	Black	20:30		7.10	Approx. 1 hr after application
4/8/21	Black	5:45		7.10	Prior to starting application
4/8/21	Black	6:30	7.08	7.12	
4/8/21	Black	7:10	7.05	7.06	
4/8/21	Black	7:20	7.00	7.09	
4/8/21	Black	8:20	7.06	7.09	

Daily Application Log for Black Lake, WA Alum Application - 2021

Date	Lake	Hours of Application	Approx. Alum Applied (gal)	Approx. SA Applied (gal)	Approx. Acres Covered	Alum Truck Deliveries	SA Truck Deliveries
3/23/21	Black	9:45 - 20:25	14,104	7,022	51.8	4	3
3/24/21	Black	8:25 - 17:10	12,736	6,374	44.0	2	1
3/25/21	Black	7:20 - 17:45	14,901	7,445	51.1	3	2
3/26/21	Black	7:35 - 19:40	16,023	8,005	55.3	4	3
3/27/21	Black	7:15 - 19:25	12,823	6,418	43.3	2	3
3/28/21	Black	7:20 - 14:25	13,758	6,869	46.9	3	2
3/29/21	Black	7:25 - 18:00	12,044	6,033	41.0	3	0
3/30/21	Black	8:00 - 19:45	14,227	7,110	49.1	3	2
3/31/21	Black	9:10 - 19:30	16,751	8,380	57.6	3	3
4/1/21	Black	7:25 - 19:20	15,255	7,622	52.1	3	1
4/2/21	Black	7:20 - 19:50	15,346	7,670	53.0	3	2
4/3/21	Black	7:30 - 17:25	14,262	7,135	49.2	3	2
4/4/21	Black	8:20 - 16:50	14,473	7,230	50.5	3	2
4/5/21	Black	8:00 - 16:10	14,245	7,126	48.7	3	2
4/6/21	Black	7:30 - 15:55	15,159	7,580	50.7	3	2
4/7/21	Black	7:40 - 19:20	16,046	8,025	55.5	4	3
4/8/21	Black	6:30 - 7:25	2,241	1,054	7.2	0	0
Total			234,394	117,098	807.0	49	33

Shallow zone will be covered once. Deep zone will be covered twice.

Alum Target Dose (gal)	Gallons Remaining	% Complete
234,382	-12	100.01

LSA Target Dose (gal)	Gallons Remaining	% Complete
117,191	93	99.92

Black Lake, WA - 2021 Alum Bill of Lading Worksheet

Alum	Date	Product	BOL #	lbs	gallons	specific gravity
1	3/23/21	ALUM	353053	52,540	4,734	1.330
2	3/23/21	ALUM	353075	52,260	4,709	1.330
3	3/23/21	ALUM	353076	51,740	4,662	1.330
4	3/23/21	ALUM	353077	51,880	4,674	1.330
5	3/24/21	ALUM	353078	21,440	1,932	1.330
6	3/24/21	ALUM	353079	51,740	4,662	1.330
7	3/25/21	ALUM	353080	51,880	4,674	1.330
8	3/25/21	ALUM	353081	51,840	4,671	1.330
9	3/25/21	ALUM	353082	60,120	5,417	1.330
10	3/26/21	ALUM	353083	54,820	4,939	1.330
11	3/26/21	ALUM	353085	58,580	5,278	1.330
12	3/26/21	ALUM	353086	57,780	5,206	1.330
13	3/26/21	ALUM	353087	52,600	4,739	1.330
14	3/27/21	ALUM	353084	53,380	4,810	1.330
15	3/27/21	ALUM	353088	60,840	5,482	1.330
16	3/28/21	ALUM	353089	53,900	4,856	1.330
17	3/28/21	ALUM	353091	53,820	4,849	1.330
18	3/28/21	ALUM	353090	53,940	4,860	1.330
19	3/29/21	ALUM	353093	54,100	4,874	1.330
20	3/29/21	ALUM	353094	53,440	4,815	1.330
21	3/29/21	ALUM	353095	53,580	4,828	1.330
22	3/30/21	ALUM	353096	53,760	4,844	1.330
23	3/30/21	ALUM	353097	53,660	4,835	1.330
24	3/30/21	ALUM	353098	54,020	4,867	1.330
25	3/31/21	ALUM	353099	53,820	4,849	1.330
26	3/31/21	ALUM	353100	53,920	4,858	1.330
27	3/31/21	ALUM	353101	53,720	4,840	1.330
28	4/1/21	ALUM	353102	53,960	4,862	1.330
29	4/1/21	ALUM	353103	53,920	4,858	1.330
30	4/1/21	ALUM	353104	53,820	4,849	1.330
31	4/2/21	ALUM	353105	54,340	4,896	1.330
32	4/2/21	ALUM	353107	53,900	4,856	1.330
33	4/2/21	ALUM	353106	54,200	4,883	1.330
34	4/3/21	ALUM	353113	53,920	4,858	1.330
35	4/3/21	ALUM	353114	53,700	4,838	1.330
36	4/3/21	ALUM	353115	53,660	4,835	1.330
37	4/4/21	ALUM	353116	53,960	4,862	1.330
38	4/4/21	ALUM	353117	53,920	4,858	1.330
39	4/4/21	ALUM	353118	53,840	4,851	1.330
40	4/5/21	ALUM	353119	54,080	4,873	1.330

Black Lake, WA - 2021 Alum Bill of Lading Worksheet

41	4/5/21 ALUM	353120	53,880	4,855	1.330
42	4/5/21 ALUM	353121	53,940	4,860	1.330
43	4/6/21 ALUM	353123	54,080	4,873	1.330
44	4/6/21 ALUM	353122	54,160	4,880	1.330
45	4/6/21 ALUM	353124	54,040	4,869	1.330
46	4/7/21 ALUM	353125	54,480	4,909	1.330
47	4/7/21 ALUM	353126	53,960	4,862	1.330
48	4/7/21 ALUM	353127	53,760	4,844	1.330
49	4/7/21 ALUM	353128	36,860	3,321	1.330

Total

2,599,500 234,213

Target Dose (gal)	Gallons Remaining	% Complete
234,382	169	99.93

Black Lake, WA - 2021 LSA Bill of Lading Worksheet

LSA	Date	Product	BOL #	lbs	gallons	specific gravity
1	3/23/21	SA	1537618	43,080	3,490	1.4790
2	3/23/21	SA	1537620	44,840	3,633	1.4790
3	3/23/21	SA	1537622	44,440	3,586	1.4850
4	3/24/21	SA	1537624	42,760	3,451	1.4850
5	3/25/21	SA	1537625	43,000	3,472	1.4839
6	3/25/21	SA	1537627	42,740	3,454	1.4830
7	3/26/21	SA	1537681	42,200	3,419	1.4790
8	3/26/21	SA	1537682	43,700	3,526	1.4850
9	3/26/21	SA	1537683	45,840	3,719	1.4770
10	3/27/21	SA	1537684	44,220	3,585	1.4780
11	3/27/21	SA	1537685	45,820	3,723	1.4750
12	3/27/21	SA	1537687	45,880	3,715	1.4800
13	3/28/21	SA	1537704	46,140	3,746	1.4760
14	3/28/21	SA	1537689	45,200	3,670	1.4760
No Deliverie	3/29/21	SA				
15	3/30/21	SA	1537705	45,020	3,655	1.4760
16	3/30/21	SA	1537732	45,160	3,652	1.4820
17	3/31/21	SA	1537733	45,000	3,639	1.4820
18	3/31/21	SA	1537731	45,740	3,689	1.4860
19	3/31/21	SA	1537735	45,200	3,670	1.4760
20	4/1/21	SA	1537737	45,340	3,669	1.4810
21	4/2/21	SA	1537738	45,840	3,702	1.4840
22	4/2/21	SA	1537736	45,220	3,696	1.4660
23	4/3/21	SA	1537947	45,660	3,680	1.4870
24	4/3/21	SA	1537948	45,300	3,665	1.4810
25	4/4/21	SA	1537951	42,880	3,451	1.4890
26	4/4/21	SA	1537950	45,920	3,696	1.4890
27	4/5/21	SA	1537953	45,080	3,633	1.4870
28	4/5/21	SA	1537952	45,700	3,648	1.5010
29	4/6/21	SA	1537954	45,940	3,763	1.4630
30	4/6/21	SA	1537955	44,060	3,609	1.4630
31	4/7/21	SA	1537956	46,140	3,779	1.4630
32	4/7/21	SA	1537957	44,080	3,555	1.4860
33	4/7/21	SA	1537958	13,230	1,060	1.4950
Total				1,446,370	117,098	

Black Lake, WA - 2021 LSA Bill of Lading Worksheet

Target Dose (gal)	Gallons Remaining	% Complete
117,191	93	99.92

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



MAR 23 2021

ORDER DATE	B/L NO.
3/15/2021	353053
Internal Use Only	



07th load Alum
3-23-21

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/21/2021	3/23/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Emergency response guide present carrier BY:	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		Security Load Pick	
Printed: 3/18/2021 8:11:10 AM by BrianSt		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	

COD Amt: \$ 0.00

Remit COD payment, and send freight bill with copy of B/L to:
 Thatcher Company
 Box 27407
 Salt Lake City, UT 84127

OFFICE B353053

01

RECEIVED
MAR 23 2021
BY:.....

ID 353053

GROSS 40040 1b INBOUND

03/22/2021 06:13AM

ID 353053

GROSS 52580 1b
TARE 40040 1b RECALLED
NET 52540 1b

03/22/2021 07:01AM

01



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jim@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130096
 Date: March 22, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353053
 Net Weight of Truck: 52,540 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.23%
Total Aluminum Content	TBD	4.35
Temperature of Product	< 138°F	70F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353075
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		SOL D T O		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	SH I P T O		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR	
3/21/2021	3/23/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB	
CUSTOMER PO NUMBER						ORDERED BY		
TBD						HAB		

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			MUST DELIVER 3/23 AT 10:00 AM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.				

GROSS: (lbs) <i>90500</i>	TARE: (lbs) <i>32240</i>	NET: (lbs) <i>51260</i>	Carrier approves load securement carrier BY: <i>LD</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <i>S. Catron</i> (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Emergency response guide present carrier BY: <i>LD</i>	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.		Security Load Pick	
BY: _____ (Customer) DATE: _____		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
DISPATCH		 B353075	
All product sales and deliveries ARE subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/18/2021 8:12:02 AM by BrianSt

5702
02

RECEIVED
MAR 23 2021
BY:

ID 353075

GROSS 38240 lb INBOUND

03/22/2021 07:08AM

ID 353075

GROSS 90500 lb
TARE 38240 lb RECALLED
NET 52260 lb

03/22/2021 07:52AM

02



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130096
 Date: March 22, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353075
 Net Weight of Truck: 52,260 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.23%
Total Aluminum Content	TBD	4.35
Temperature of Product	< 138°F	75°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

TRUCK 3 12:52 PM

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

Alum
32321



ORDER DATE	B/L NO.
3/17/2021	353076
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: GGN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 D Lincoln, NE 68510 T O		S HAB Aquatic Solutions, LLC Black Lake P 7121 Fairview Rd. SW T Olympia, WA 98512 O 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/21/2021	3/23/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs 51,740	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers: 928A, 25 Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No # of Hoses Needed Beyond Assigned:	Emergency response guide present carrier BY:
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
OFFICE B353076			Printed: 3/18/2021 8:12:58 AM by BrianSt

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

03

RECEIVED

MAR 23 2021

BY:

ID: 353076

GROSS 42320 1b INBOUND

03/22/2021 12:12PM

ID: 353076

GROSS 94060 1b
TARE 42320 1b RECALLED
NET 51740 1b

03/22/2021 12:54PM

03



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130097
 Date: March 22, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353076
 Net Weight of Truck: 51,740 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.25%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	70°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353077
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		SOL D T O		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	SHI H I P T O	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/22/2021	3/24/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			MUST DELIVER 3/24 AT 7:00 AM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.				

GROSS: (lbs) 44,510	TARE: (lbs) 42,700	NET: (lbs) 5,810	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers: <input type="text"/> <input type="text"/> Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	# of Hoses Needed Beyond Assigned: <input type="text"/> Emergency response guide present carrier BY:
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick Delivered BY: <input type="text"/> DATE: <input type="text"/> TIME IN: <input type="text"/> AM/PM TIME OUT: <input type="text"/> AM/PM
DISPATCH B353077			All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130097-2
Date: March 23, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353077
Net Weight of Truck: 51,880 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.25%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	70°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353078
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
SHIP DATE	DELIVERY DATE	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/22/2021	3/24/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

925- 3/4 Full Gas

69,780 lbs

GROSS: (lbs) 90,980	TARE: (lbs) 38,880	NET: (lbs) 52,100	Carrier approves load securement carrier BY: <i>A.M.</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation Shipper BY: <i>S. Catron</i>		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: <i>A.M.</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named herein and has been properly washed prior to loading. BY: <i>Brian St. (Carrier) Harris</i>		Notes: _____	Emergency response guide present carrier BY: <i>A.M.</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____ Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: <i>Brian St. Harris</i> DATE: <i>3-23-21</i> TIME IN: <i>11:00 AM</i> TIME OUT: <i>12:00 PM</i>
DISPATCH B353078			Printed 3/18/2021 8:14:52 AM by BrianSt

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



ORDER DATE	B/L NO
3/17/2021	353078
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		SOL D T O		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	SH H P T O		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR	
3/22/2021	3/24/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB	
CUSTOMER PO NUMBER						ORDERED BY		
TBD						HAB		

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			MUST DELIVER 3/24 AT 10:00 AM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.				
			3/25-12:50 TareWt 26,660 lbs into Totes (9 Totes (2962# per Tote)) TareWt 43,120 lbs w/ Sludge				

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named herein and has been properly washed prior to loading BY: _____ (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers: [] [] # of Hoses Needed Beyond Assigned: [] Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
DISPATCH B353078			Printed: 3/18/2021 8:14:52 AM by Brian S

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

17 3230761

GROSS 69700 lb INBOUND

GT: 25/2011 3713600

10 350000

GROSS 69700 lb RECEIVED

TARE 43120 lb

NET 26580 lb → Into Totes

GT: 25/2011 1144800

+ ~4,000 left
in trailer

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchemi.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130098-1
Date: March 23, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353078
Net Weight of Truck: 52,100 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.25%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	70°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

From: Jeff Zidek <Jeff.Zidek@tchem.com>
Sent: Thursday, March 25, 2021 8:35 PM
To: tbarrow@habaquatics.com; John Holz
Subject: Thatcher Company - Black Lake, WA - BOL's, CoA's, Weight tickets and spreadsheet
Attachments: HAB Aquatics Black Lake Project COA - #202130103-2 - TCMT Alum Load #10.docx; HAB Aquatics Black Lake Project COA - #202130104-1 - TCMT Alum Load #11.docx; MTscan.pdf; Black Lake, WA spreadsheet.xlsx

Hello Tadd and John,

Attached please find the BOL's, CoA's, Weight tickets and updated spreadsheet.

Load #5 – "The Trouble Tanker" - was returned to us today. The disposition of the solids, etc., is a discussion for another email. However, from the various scale tickets we generated from this tanker, it appears that 30,660 lbs (2,765 gals) were returned to TCMT, meaning 21,440 lbs (1,933 gals) were delivered to HAB the night of 3/23/21 at Black Lake. (Details Attached) I have updated the spreadsheet to reflect that quantity delivered.

I have updated the spreadsheet with all of the projections for maximum weights in red.

We can adjust this according to your needs.

Please review the attachments and let me know how you desire to proceed.

Thank you and with best regards,

Jeff Zidek – Chemical Engineer/Sales

Thatcher Company

1905 Fortune Road

Salt Lake City, UT 84104

O (801) 972-4587 ext 1447

C (801) 541-9469

jeffz@tchem.com

www.tchem.com



The information contained in this e-mail message, and any attachments to it, contain confidential, proprietary, privileged, or otherwise secret information. If you are not the intended recipient, or believe that you may have received this email or attachments in error, any dissemination, use, review, distribution, printing or copying of the information contained in this e-mail message and any attachments to it are strictly prohibited. If you have received this communication in error, please notify us by reply e-mail or telephone and immediately and permanently delete the message and any attachments. Please include in your notice that the message and any attachments have been deleted. Thank you.

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353079
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	0800812		SOL D TO		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	SH I P T O	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/22/2021	3/24/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			MUST DELIVER 3/24 AT 2:00 PM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.				

GROSS: (lbs) <i>95440</i>	TARE: (lbs) <i>43700</i>	NET: (lbs) <i>51740</i>	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: <i>S. Catron</i>		Pallets IN: _____ Pallets OUT: _____ Notes: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: _____ (Carrier)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____ Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY: _____
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		COD Amt: \$ <i>0.00</i> Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick Delivered BY: <i>[Signature]</i> DATE: <i>3-24-21</i> TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <i>JOEL FARROW</i> (Customer) DATE: <i>3-24-21</i>		DISPATCH B353079	

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

MAR 24 2021

BY:05.....

GROSS 43700 1b INBOUND

03/23/2021 01:27PM

IL 353079

GROSS 95440 1b

TARE 43700 1b RECALLED

NET 51740 1b

03/23/2021 02:13PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130098-2
Date: March 23, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353079
Net Weight of Truck: 51740 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.25%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	70°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



RECEIVED
 MAR 25 2021

ORDER DATE	B/L NO.
3/17/2021	353080
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/23/2021	3/25/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:						55000 Lbs	55000 Lbs

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE: 3-25-21		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER	Printed: 3/18/2021 8:17:50 AM by BrianSt

RECEIVED



THATCHER GROUP
MAR 25 2021
BY: 06

ORDER DATE	B/L NO
3/17/2021	353081
Internal Use Only	

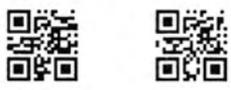


T: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 **

SHAB Aquatic Solutions, LLC
 11 Black Lake
 17121 Fairview Rd. SW
 1 Olympia, WA 98512
 1 402-430-0352

SHIP VIA	FREIGHT	FOB REMARK
Carrier	Prepaid & Add (FSC only)	Origin

DESCRIPTION	QUANTITY ORDERED
3264, Corrosive liquid, acidic, organic, n.o.s., (aluminum sulfate solution), 8, PGIII minimum Sulfate-Liq %AL203, 8.2%/17% 27.5 BULK duct Code: 0100850	27.5
Wash-out Trailer - TC 1 EACH duct Code: 9007073	1



Total Weights:

NET: (lbs) 38,420

NET: (lbs) 51,870

Pallets IN:	Pallets OUT:
Notes:	

Carrier approves load securement carrier BY:	LD
Carrier offered required placards carrier BY:	LD

THATCHER GROUP

RECEIVED
MAR 25 2021
BY: 06

3/17/2021
Internal Use Only



DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 **
 SHAB Aquatic Solutions, LLC
 11 Black Lake
 17121 Fairview Rd. SW
 1 Olympia, WA 98512
 1 402-430-0352

SALES AGENT	OPERATOR
JWZ	ShaylaB
ORDERED BY	
HAB	
WEIGHT	GROSS WEIGHT
	1000 Lbs

RECEIVED
MAR 25 2021
BY: 06

NY OF MONTANA

ssoula, MT 59808

406) 721-3489 / E-Mail: jim@tchem.c

F ANALYSIS

UM SULFATE

REC
MAR
BY:



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130102-1
 Date: March 24, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353080
 Net Weight of Truck: 51,880 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	72°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353081
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	0800812		SOL D T O		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S H I P T O		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR			
3/25/2021	3/25/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB			
CUSTOMER PO NUMBER						ORDERED BY				
TBD						HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
1	BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
1	EACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) **90,160** TARE: (lbs) **38,420** NET: (lbs) **51,840**

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
BY: *[Signature]* (Carrier) *Haens*

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
BY: _____
(Customer)
DATE: _____

Pallets IN: _____ Pallets OUT: _____
Notes: _____
Trailer Numbers: **22A** # of Hoses Needed Beyond Assigned: _____
Right Hoses Assigned to Trailer? Yes No

Carrier approves load securement carrier BY: **LD**
Carrier offered required placards carrier BY: **LD**
Emergency response guide present carrier BY: **LD**

COD Amt: \$ 0.00
Remit COD payment, and send freight bill with copy of B/L to:
Thatcher Company
Box 27407
Salt Lake City, UT 84127

Security Load Pick
Delivered BY: *[Signature]*
DATE: **3-24-21**
TIME IN: **8:00** AM/PM
TIME OUT: **8:50** AM/PM

DISPATCH B353081

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

Printed: 3/18/2021 8:18:00 AM by BrianSt

RECEIVED

ORDER DATE

RECEIVED

MAR 25 2021

BY: 334507

ID 353081

GROSS 38420 1b INBOUND

03/24/2021 07:00AM

RECEIVED

MAR 25 2021

BY: 334507

ANY OF MONTANA

Missoula, MT 59808

Phone: (406) 721-3489 / E-Mail: jimp@tchem.com

ID 353081

GROSS 90260 1b
TARE 38420 1b RECALLED
NET 51840 1b

03/24/2021 07:41AM

RECEIVED

MAR 25 2021

THATCHER COMPANY OF MONTANA BY: TADD BARROW

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS
LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130102-2
Date: March 24, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353081
Net Weight of Truck: 51,840 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	72°F

THATCHER COMPANY OF MONTANA

Korey Haffner

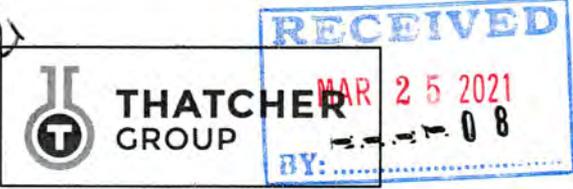
Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

LOAD 3
5-25-21
JIM



ORDER DATE	B/L NO.
3/17/2021	353082
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352					
0800812	S O L D		S H I P P O					
	Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
	3/23/2021	3/25/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER							ORDERED BY	
TBD							HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs 60,120	55000 Lbs 102,420	
1EACH			Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs 60,120	55000 Lbs 102,420	

GROSS: (lbs) 102,420 TARE: (lbs) 42,300 NET: (lbs) 60,120

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
BY: [Signature] (Carrier) HARMS

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
BY: _____ (Customer)
DATE: _____

Pallets IN: _____ Pallets OUT: _____
Notes: _____
Trailer Numbers 928 25 # of Hoses Needed Beyond Assigned _____
Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ 0.00
Remit COD payment, and send freight bill with copy of B/L to:
Thatcher Company
Box 27407
Salt Lake City, UT 84127

Carrier approves load securement
Carrier BY: [Signature]
Carrier offered required placards
Carrier BY: [Signature]
Emergency response guide present
Carrier BY: [Signature]

Security Load Pick
Delivered
BY: _____
DATE: _____
TIME IN: _____ AM/PM
TIME OUT: _____ AM/PM

CUSTOMER B353082

All product sales and deliveries ARE subject to Terms and Conditions found at www.tchem.com/terms

Printed: 3/18/2021 8:23:04 AM by BrianSt

RECEIVED

MAR 25 2021

-----08

BY:.....

LOAD 3
5-25-21
JIM

ID 353062

GROSS 42300 lb THROUGH

03/24/2021 10:50AM

ID 353062

GROSS 102420 lb
TARE 42300 lb FSCW 111
NET 60120 lb

03/24/2021 11:47AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130103-1
 Date: March 24, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353082
 Net Weight of Truck: 60,120 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	120°F

THATCHER COMPANY OF MONTANA

Korey Haffner

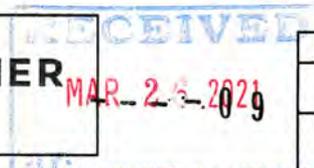
Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

1st load Alum 3-26-21



ORDER DATE	B/L NO.
3/17/2021	353083
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 D Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake P 7121 Fairview Rd. SW T Olympia, WA 98512 O 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/24/2021	3/26/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: 3-26-21		Emergency response guide present carrier BY:	
		Security Load Pick	
		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
		CUSTOMER	B353083
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/18/2021 8:25:42 AM by BrianSt

353083

153433

RECEIVED
MAR 26 2021
BY: 09

153433

GROSS 1301353083

03/26/2021 06:10AM
153433

GROSS 94460 1b
TAX 39640 1b RECALLED
NET 54820 1b

03/25/2021 07:11AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130103-2
Date: March 25, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353083
Net Weight of Truck: 54,820 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	80°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

RECEIVED

THATCHER GROUP

MAR 26 2021
10

ORDER DATE	B/L NO.
3/17/2021	353085
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC		SALES AGENT		OPERATOR	
0800812	O 735 S 56th Street, Ste 2		H Black Lake		JWZ		ShaylaB	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW					
	T		O Olympia, WA 98512					
	O		402-430-0352					
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK			
3/24/2021	3/26/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin			
CUSTOMER PO NUMBER						ORDERED BY		
TBD						HAB		

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 102,520	TARE: (lbs) 43,940	NET: (lbs) 58,580	Carrier approves load securement carrier BY: <i>JHL</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: <i>JHL</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: <i>Guillermo Corales</i> (Carrier) <i>HARKUS</i>		Notes: _____	Emergency response guide present carrier BY: <i>JHL</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers 731 # of Hoses Needed Beyond Assigned _____ Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Security Load Pick BCS
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: <i>BCS - HARKUS</i> DATE: <i>3-25-21</i> TIME IN: <i>10:45</i> AM/PM TIME OUT: <i>12:00</i> AM/PM
DISPATCH  B353085			Printed: 3/18/2021 8:27:26 AM by BrianSt

RECEIVED
MAR 26 2021
10
BY:

ID 353085

GROSS 43940 lb INBOARD

03/25/2021 09:45AM

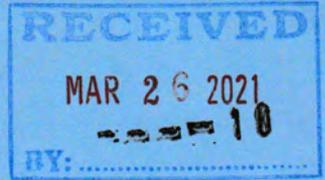
ID 353084

GROSS 102520 lb

TARE 43940 lb RECALLED

NET 58580 lb

03/25/2021 10:41AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130104-1
 Date: March 25, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353085
 Net Weight of Truck: 58,580 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.24%
Total Aluminum Content	TBD	4.36
Temperature of Product	< 138°F	95°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

*LOAD 3
 Alum
 3-26-21*



RECEIVED
 MAR 26 2021

ORDER DATE	B/L NO.
3/17/2021	353086
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352					
0800812	S O L D		S H I P P O					
	Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
	3/25/2021	3/27/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER							ORDERED BY	
TBD							HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 98100	TARE: (lbs) 40320	NET: (lbs) 57780	Carrier approves load securement BY: _____
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____	Pallets OUT: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	
BY: _____ (Carrier)		Trailer Numbers: _____	# of Hoses Needed Beyond Assigned: _____
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00	Emergency response guide present BY: _____
Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		Security	Load
OFFICE		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/18/2021 8:33:49 AM by BrianSt

RECEIVED
MAR 26 2021
BY:

ID 353087
GROSS 40320 lb INBOUND

03/25/2021 06:06PM
ID 353087

GROSS 98100 lb
TAKE 40320 lb RECALLED
NET 57780 lb

03/25/2021 07:00PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jim@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130104-2
 Date: March 25, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353086
 Net Weight of Truck: lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.24%
Total Aluminum Content	57780	4.36
Temperature of Product	< 138°F	95°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

Alum load 4 LARRY
3-26-21



ORDER DATE	B/L NO.
3/17/2021	353087
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CGN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/25/2021	3/27/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: LD
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: <i>[Signature]</i> (Carrier) HAEMS		Notes:	Carrier offered required placards carrier BY: LD
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers 72A	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY: LD
		Security	Load
			25
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: AS - Haems DATE: 3-26-21 TIME IN: 7:00 AM/PM TIME OUT: 8:05 AM/PM
		DISPATCH	B353087
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/18/2021 8:35:37 AM by BrianSt

RECEIVED

MAR 26 2021

12

BY:

ID 353007

GROSS 38700 16 INDOUD

03/26/2021 06:04AM

ID 353007

GROSS 91300 16

TAPE 38700 16 RECALLED

NET 52600 16

03/26/2021 06:59AM

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130105-1
Date: March 26, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353087
Net Weight of Truck: 52,600 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

3-27-21
 SHIT
 LEAD
 CAKE
 RANDAL
 THATCHER GROUP



ORDER DATE	B/L NO.
3/17/2021	353084
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/24/2021	3/26/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 3/26 AT 10:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) TARE: (lbs) NET: (lbs)

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
 Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
 BY: _____ (Carrier)

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 _____ (Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
 BY: _____ (Customer)
 DATE: _____

Pallets IN: _____ Pallets OUT: _____

Notes:

Trailer Numbers: [] [] # of Hoses Needed Beyond Assigned: []

Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ 0.00

Remit COD payment, and send freight bill with copy of B/L to:
 Thatcher Company
 Box 27407
 Salt Lake City, UT 84127

CUSTOMER B353084

Carrier approves load securement carrier BY: _____

Carrier offered required placards carrier BY: _____

Emergency response guide present carrier BY: _____

Security Load Pick

Delivered
 BY: _____
 DATE: _____
 TIME IN: _____ AM/PM
 TIME OUT: _____ AM/PM

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED
MAR 27 2021
13
BY:

ID 353084

GROSS 42440 lb INBOUND

03/26/2021 01:05PM
ID 353084

GROSS 95820 lb
TARE 42440 lb RECALLED
NET 53380 lb

03/26/2021 01:58PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130105-3
Date: March 26, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353084
Net Weight of Truck: 53,380 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

Alum LOAD 3-27-21
JIM



ORDER DATE	B/L NO.
3/17/2021	353088
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO. 0800812	SOL HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		SHI HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/25/2021	3/27/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER TBD						ORDERED BY HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
1	BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
1	EACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	
					<i>60,840</i>		

GROSS: (lbs) <i>103180</i>	TARE: (lbs) <i>423340</i>	NET: (lbs) <i>60840</i>	Carrier approves load securement BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards BY: <i>[Signature]</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: <i>[Signature]</i> (Carrier) <i>ARRM</i>		Notes:	Emergency response guide present BY: <i>[Signature]</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers: _____ Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	# of Hoses Needed Beyond Assigned: _____ Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER B353088	

LOFLA
RECEIVED
MAR 27 2021
BY:.....

Alum
LOADZ
3-27-21 JJ

03/26/2021 09:54AM
GROSS 42340 lb INBOUND

03/26/2021 09:54AM

ID 353088

GROSS 103180 lb
TARE 42340 lb RECALLED
NET 60840 lb

03/26/2021 10:43AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130105-2
Date: March 26, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353088
Net Weight of Truck: 60,840 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

153435

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

*3-28-21
1st load Alum Aaron*



ORDER DATE	B/L NO.
3/17/2021	353089
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812						
SHIP TO	HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352					
SHIP DATE	DELIVERY DATE	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/26/2021	3/28/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) <i>93160</i>	TARE: (lbs) <i>37360</i>	NET: (lbs) <i>53900</i>	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: <i>S. Catron</i>		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: _____ (Carrier)		Notes: _____	Emergency response guide present carrier BY: _____
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers _____ # of Hoses Needed Beyond Assigned _____	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <i>JOEL A BARROW</i> (Customer) DATE: <i>3-28-21</i>		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: <i>[Signature]</i> DATE: _____ TIME IN: <i>0700</i> AM/PM TIME OUT: <i>0930</i> AM/PM
COD Amt: \$ 0.00		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	CONTROL B353089

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

MAR 28 2021

BY: ~~15~~ 15

ID 33089

GROSS 39200 lb INBOUND

03/27/2021 06:03AM

ID 33089

GROSS 93160 lb

TAPE 39200 lb RECALLED

NET 53900 lb

03/27/2021 07:05AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130106-1
Date: March 27, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353089
Net Weight of Truck: 53,900 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

3-28-21 LOAD 2 Alum memo

From: Thatcher Company of Montana

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353091
Internal Use Only	

** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 **

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/26/2021	3/28/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			HAB	
TBD							

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 3/28 AT 2:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) <u>97480</u>	TARE: (lbs) <u>43140</u>	NET: (lbs) <u>53870</u>	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Carrier offered required placards carrier BY:
BY: (Carrier)	Trailer Numbers <u>721</u>	# of Hoses Needed Beyond Assigned	Emergency response guide present carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement:	Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Security Load Pick
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)	COD Amt: \$ 0.00		Delivered BY: <u>KH</u>
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <u>JOEL BARRO</u> (Customer) DATE: <u>3-28-21</u>	Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		DATE: <u>3-27-21</u>
	DISPATCH	B353091	TIME IN: <u>09:00</u> AM/PM TIME OUT: <u>10:10</u> AM/PM

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

MAR 28 2021

16

BY: _____

15304

GROSS 43660 lb INBOUND

03/27/2021 08:25AM

1533090

GROSS	97480 lb
TARE	43660 lb RECALLED
NET	53820 lb

03/27/2021 09:13AM

16
THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS
LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130106-2
Date: March 27, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353091
Net Weight of Truck: 53,820 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

32821 LOADS Alum LOUIS

From: Thatcher Company of Montana

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353090
Internal Use Only	

** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 **

CUST NO.	0800812		SOL HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 D Lincoln, NE 68510 T O		SHAB Aquatic Solutions, LLC Black Lake P 7121 Fairview Rd. SW Olympia, WA 98512 O 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/27/2021	3/28/2021	MT01	Carrier	Prepaid	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
Tadd Barrow/Black Lake						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			MUST DELIVER 3/28 AT 10:00 AM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.				

GROSS: (lbs) 97980	TARE: (lbs) 44040	NET: (lbs) 53940	Carrier approves load securement carrier BY:
--------------------	-------------------	------------------	--

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
BY: (Carrier)

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
BY: (Customer)
DATE:

Pallets IN: Pallets OUT:
Notes:
Trailer Numbers: 930A # of Hoses Needed Beyond Assigned:
Right Hoses Assigned to Trailer? Yes No Yes No

DISPATCH B353090

Emergency response guide present carrier BY:
Security Load Pick
Delivered BY: DATE: 3-27-21 TIME IN: 1:00 AM/PM TIME OUT: 3:10 AM/PM

COD Amt: \$ 0.00
Remit COD payment, and send freight bill with copy of B/L to:
Thatcher Company
Box 27407
Salt Lake City, UT 84127

RECEIVED

MAR 28 2021

BY: - - - 17

ID 353090

GROSS 44040 lb INBOUND

03/27/2021 12:16PM

ID 353069

GROSS 97980 lb

TARE 44040 lb RECALLED

NET 53940 lb

03/27/2021 01:05PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130106-3
 Date: March 27, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353090
 Net Weight of Truck: 53,940 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

*3-29-21
 Alum load
 RANDAL*



ORDER DATE	B/L NO.
3/17/2021	353093
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812	S O L D T O		S H I P P O				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/27/2021	3/29/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 46920 TARE: (lbs) 42820 NET: (lbs) 54100

Carrier approves load securement carrier BY: RAT

Carrier offered required placards carrier BY: RAC

Emergency response guide present carrier BY:

Security Load Pick

Delivered BY: KH DATE: 3-28-21 TIME IN: 1:30 AM/PM TIME OUT: 8:35 AM/PM

DISPATCH B353093

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms Printed: 3/18/2021 8:48:54 AM by BrianSt

RECEIVED

MAR 29 2021

18

BY:

ID 353093

GROSS 42820 lb INBOUND

03/28/2021 06:44AM

ID 353093

GROSS 96920 lb
TARE 42820 lb RECALLED
NET 54100 lb

03/28/2021 07:34AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130107-1
 Date: March 28, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353093
 Net Weight of Truck: 54,100 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

32921 Alum load 2 Jerry



ORDER DATE	B/L NO.
3/17/2021	353094
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CGN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC				
0800812	735 S 56th Street, Ste 2		Black Lake				
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW				
	T		Olympia, WA 98512				
	O		402-430-0352				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/27/2021	3/29/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:						55000 Lbs	55000 Lbs

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: 3/21/21		Emergency response guide present BY:	
COD Amt: \$ 0.00		Security	Load
Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		Pick	Delivered
CUSTOMER		BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/18/2021 8:53:52 AM by BrianSt

RECEIVED

MAR 29 2021

----- 19

BY:

ID 353094

GROSS 42560 lb INBOUND
ID 353094

03/28/2021 12:01PM

GROSS 96000 lb

TARE 42560 lb RECALLED

NET 53440 lb

03/28/2021 12:46PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130107-3
Date: March 28, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353094
Net Weight of Truck: 53,440 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO
3/17/2021	353095
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/27/2021	3/29/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Carrier offered required placards carrier BY:
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER	

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

MAR 29 2021

BY: ~~2021~~ 20

ID 353095

GROSS 36940 IB INBOUND

03/28/2021 11:02AM

ID 353095

GROSS 90520 IB

TARE 36940 IB RECALLED

NET 53580 IB

03/28/2021 11:56AM

JOEL A BARRON
3-29-21



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130107-2
Date: March 28, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353095
Net Weight of Truck: 53,580 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

3-30-21 Alum LOAD1 RICH



ORDER DATE	B/L NO
3/17/2021	353096
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/28/2021	3/30/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:						55000 Lbs	55000 Lbs

GROSS: (lbs) 97,060	TARE: (lbs) 43,300	NET: (lbs) 53,760	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: (Carrier)		Trailer Numbers 721A	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Right Hoses Assigned to Trailer? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		COD Amt: \$ 0.00	Emergency response guide present carrier BY:
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick
		CUSTOMER	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

MAR 30 2021

BY: ~~---~~ 21

GRASS 43300 lb INBOUND

03/29/2021 06:27AM
lb 45700

GRASS 97000 lb
WHS 43300 lb RECALLED
NET 53700 lb

03/29/2021 07:23AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130108-1
Date: March 29, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353096
Net Weight of Truck: 53,760 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



RECEIVED
MAR 30 2021

ORDER DATE	B/L NO
3/17/2021	353097
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812	T		O				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/29/2021	3/30/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) **96,220** TARE: (lbs) **42,560** NET: (lbs) **53,660**

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.

BY: [Signature] (Carrier) Harris

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
BY: JOEL BARROW
(Customer)
DATE: 3-30-21

Pallets IN: _____ Pallets OUT: _____
Notes: _____
Trailer Numbers: 901 # of Hoses Needed Beyond Assigned: _____
Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ 0.00
Remit COD payment, and send freight bill with copy of B/L to:
Thatcher Company
Box 27407
Salt Lake City, UT 84127

Security Load Pick
25

Delivered
BY: BCS-Harris
DATE: 3-29-21
TIME IN: 6:30 AM/PM
TIME OUT: 9:30 AM/PM

DISPATCH B353097

RECEIVED
MAR 30 2021
BY: --- 22

ID 353097

GROSS 42560 lb INBOUND

03/29/2021 07:28AM
ID 353097

GROSS 96220 lb
TARE 42560 lb RECALLED
NET 53660 lb

03/29/2021 08:16AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130108-2
Date: March 29, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353097
Net Weight of Truck: 53,660 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



RECEIVED
 MAR 30 2021
 - - 23

ORDER DATE	B/L NO.
3/17/2021	353098
Internal Use Only	

3-30-21
 ALLUM LOADS
 JIM

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/28/2021	3/30/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER				TBD		ORDERED BY	
						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) **94340** TARE: (lbs) **40320** NET: (lbs) **54020**

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
 Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
 BY: *[Signature]* (Carrier) *Harms*

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 (Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
 BY: _____ (Customer)
 DATE: _____

Pallets IN: _____ Pallets OUT: _____
 Notes: _____
 Trailer Numbers: **4A** # of Hoses Needed Beyond Assigned: _____
 Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ **0.00**
 Remit COD payment, and send freight bill with copy of B/L to:
 Thatcher Company
 Box 27407
 Salt Lake City, UT 84127

Carrier approves load securement carrier BY: *[Signature]*
 Carrier offered required placards carrier BY: *[Signature]*
 Emergency response guide present carrier BY: *[Signature]*

Security Load Pick
 Delivered BY: *KH*
 DATE: **3-29-21**
 TIME IN: **12:00** AM/PM
 TIME OUT: **115** AM/PM

DISPATCH B353098

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

Printed: 3/18/2021 9:07:17 AM by BrianSt

RECEIVED

MAR 30 2021

AR - - - 23

ID 353097

GROSS 42560 lb INBOUND

03/28/2021 07:28AM

ID 353097

GROSS 36220 lb

TARE 42560 lb RECALLED

NET 53660 lb

03/29/2021 08:16AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130108-3
Date: March 29, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353098
Net Weight of Truck: 54,020 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

3-31-21 Alum load 1 Jerry



ORDER DATE	B/L NO.
3/17/2021	353099
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****



CUST NO.	0800812	
SHIP TO	HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352
SHIP DATE	DELIVERY DATE	WHS
3/29/2021	3/31/2021	MT01
SHIP VIA	FREIGHT	FOB REMARK
Carrier	Prepaid & Add (FSC only)	Origin
CUSTOMER PO NUMBER		ORDERED BY
TBD		HAB

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTCLS
			MUST DELIVER 3/31 AT 7:00 AM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.				

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER	Barcode: B353099 Printed: 3/18/2021 10:10:45 AM by BrianSt

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED
MAR 31 2021
BY: 24

ID: 353

GROSS 42020 1b INBOUND

03/30/2021 07:09AM

ID: 353099

GROSS 95840 1b

T-FE 42020 1b RECALLED

NET 53820 1b

03/30/2021 08:03AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130111-1
Date: March 30, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353099
Net Weight of Truck: 53,820 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	57780	4.38
Temperature of Product	< 138°F	100°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



MAR 31 2021

ORDER DATE	B/L NO.
3/17/2021	353100
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/29/2021	3/31/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) **90,600** TARE: (lbs) **36,680** NET: (lbs) **53,920**

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.

BY: C. Catron (Carrier) Harris

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
BY: _____
(Customer)
DATE: _____

Pallets IN: _____ Pallets OUT: _____

Notes: _____

Trailer Numbers 22A # of Hoses Needed Beyond Assigned _____

Right Hoses Assigned to Trailer? Yes No

COD Amt: \$ 0.00

Remit COD payment, and send freight bill with copy of B/L to:
Thatcher Company
Box 27407
Salt Lake City, UT 84127

Carrier approves load securement carrier BY: CJ

Carrier offered required placards carrier BY: CJ

Emergency response guide present carrier BY: CJ

Security 25 Load Pick

Delivered BY: B.S. Harris
DATE: 3-30-21
TIME IN: 9:00 AM/PM
TIME OUT: 10:00 AM/PM

DISPATCH B353100

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

Printed: 3/18/2021 10:10:54 AM by BrianSt

RECEIVED

MAR 31 2021

25

BY:

ID 353100

GROSS 36680 lb INBOUND

03/30/2021 08:15AM
ID 353100

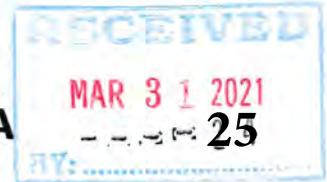
GROSS	90600 lb
TARE	36680 lb RECALLED
NET	53920 lb

03/30/2021 08:03AM

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130114-1
Date: March 30, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353100
Net Weight of Truck: 53,920 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	110°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

*3-31-21
 Allum
 Lead 3
 Larry*



ORDER DATE	B/L NO.
3/17/2021	353101
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
0800812	S L D T O		S H I P P T O	

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/29/2021	3/31/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 3/31 AT 2:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) *98 140* TARE: (lbs) *44 420* NET: (lbs) *53 720*

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron	Pallets IN:	Pallets OUT:	Carrier approves load securement carrier BY:
	Notes:		
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)	Trailer Numbers	# of Hoses Needed Beyond Assigned	Emergency response guide present carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)	Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Security Load Pick
	COD Amt: \$ 0.00		Delivered
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:	Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
DISPATCH B353101			Printed: 3/18/2021 10:11:32 AM by BrianSt

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

MAR 31 2021

----- 26

BY:

IN 30101

GROSS 44420 1b INBOUND

03/30/2021 12:18PM

IN 303103

GROSS 98140 1b

TAKE 44420 1b RECALLED

NET 53720 1b

03/30/2021 01:07PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130114-2
 Date: March 30, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353101
 Net Weight of Truck: 53,720 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



RECEIVED
 APR 01 2021

ORDER DATE	B/L NO.
3/17/2021	353102
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/30/2021	4/1/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) **97,100** TARE: (lbs) **43,140** NET: (lbs) **53,960**

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
 Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.

BY: *[Signature]* (Carrier) **Norm's Pac Tr.**

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 _____ (Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
 BY: _____ (Customer)
 DATE: _____

Pallets IN: _____ Pallets OUT: _____

Notes:

Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____

Right Hoses Assigned to Trailer? Yes No

COD Amt: \$ 0.00

Remit COD payment, and send freight bill with copy of B/L to:
 Thatcher Company
 Box 27407
 Salt Lake City, UT 84127

DISPATCH

Security Load Pick **25**

Delivered BY: **ACS - Arms**
 DATE: **3-31-21**
 TIME IN: **7:00** AM/PM
 TIME OUT: **8:10** AM/PM

RECEIVED

APR 01 2021

ID 353102 BY: - - - - 25

GROSS 43140 lb INBOUND

03/31/2021 06:14AM
ID 353102

GROSS 97100 lb
TARE 43140 lb RECALLED
NET 53960 lb

03/31/2021 07:04AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130114-3
Date: March 31, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353102
Net Weight of Truck: 53,960 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



26
APR 01 2021

ORDER DATE	B/L NO
3/17/2021	353103
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	0800812		SOL		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		SOL		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR				
3/30/2021	4/1/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB				
CUSTOMER PO NUMBER						ORDERED BY					
TBD						HAB					

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 96,100	TARE: (lbs) 42,180	NET: (lbs) 53,920	Carrier approves load securement carrier BY: JMG
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading		Notes:	
BY: [Signature] (Carrier) Hatins		Trailer Numbers 430	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY: JMG
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		COD Amt: \$ 0.00	Security 25 Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: JEL FARRON (Customer) DATE: 4-1-21		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: Bos-Agams DATE: 3-31-21 TIME IN: 8:10 AM TIME OUT: 9:10 AM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		DISPATCH B353103	Printed: 3/18/2021 10:16:07 AM by BrianSt

--- 26

RECEIVED
APR 01 2021

ID 353103

GROSS 42180 lb INBOUND

03/31/2021 07:10AM
ID 353103

GROSS 96100 lb
TARE 42180 lb RECALLED
NET 53920 lb

03/31/2021 07:59AM

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130115-1
Date: March 31, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353103
Net Weight of Truck: 53,920 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.25%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

4-1-21 Alum LOADS JIM



APR 01 2021
-- -- 27

ORDER DATE	B/L NO.
3/17/2021	353104
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/30/2021	4/1/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	
<i>53,820</i>							

GROSS: (lbs) <i>94,140</i>	TARE: (lbs) <i>40,320</i>	NET: (lbs) <i>53,120</i>	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <i>[Signature]</i> (Carrier) <i>HAB</i>		Trailer Numbers	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		# of Hoses Needed Beyond Assigned	
COD Amt: \$ 0.00		Emergency response guide present carrier BY: <i>[Signature]</i>	
Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		Security Load Pick	
CUSTOMER		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

APR 01 2021

-----27

BY:

4-1-21
ALUM
LOADS
JIM

ID 353104

GROSS 40320 lb INBOUND

03/31/2021 08:39AM

ID 353104

GROSS 94140 lb

TAKE 40320 lb RECYCLED

NET 53820 lb

03/31/2021 09:25AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130115-2
Date: March 31, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353104
Net Weight of Truck: 53,820 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.25%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

RECEIVED

APR 02 2021

28

BY:

ID 353105

GROSS 42.80 LB THEOUND

04/01/2021 08:03AM

ID 353105

GROSS 97.70 LB

TARE 42.80 LB RECALLET

NET 54.90 LB

04/01/2021 08:56AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130116-1
Date: April 1, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353105
Net Weight of Truck: 53,820 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/17/2021	353107
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812	
S	HAB Aquatic Solutions, LLC	S HAB Aquatic Solutions, LLC
L	735 S 56th Street, Ste 2	H Black Lake
D	Lincoln, NE 68510	P 7121 Fairview Rd. SW
T		O Olympia, WA 98512
O		O 402-430-0352

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/31/2021	4/2/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB

CUSTOMER PO NUMBER	ORDERED BY
TBD	HAB

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 4/2 AT 2:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) 98 + 70	TARE: (lbs) 44	NET: (lbs) 54	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Emergency response guide present carrier BY: Security Load Pick Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		DISPATCH	Printed: 3/18/2021 10:30:29 AM by BrianSt



RECEIVED
APR 03 2021
--- 20
BY:.....

ID 353107

GROSS 44500 IB INBOUND

04/01/2021 11:57AM
ID 353107

GROSS 98480 IB
TARE 44500 IB RECALLED
NET 53980 IB

04/01/2021 12:45PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130116-3
Date: April 1, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353107
Net Weight of Truck: 53,900 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

4-2-21 Alum LOAD 3 CLYDE



ORDER DATE	B/L NO.
3/17/2021	353106
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/31/2021	4/2/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:						55000 Lbs	55000 Lbs

GROSS: (lbs) 90,200	TARE: (lbs) 36,000	NET: (lbs) 54,200	Carrier approves load securement carrier BY: CS
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: Catron (Carrier) L-Horn's		Trailer Numbers 22A	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY: CS
		COD Amt: \$ 0.00	Security 25 Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: Bes-Horn's DATE: 4-1-21 TIME IN: 8:30 AM/PM TIME OUT: 4:30 AM/PM
		DISPATCH	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/18/2021 10:26:53 AM by BrianSt

RECEIVED

APR 02 2021

----- 30

BY:

ID 353106

GROSS

04/01/2021 07:32AM

ID 353106

GROSS

90200 TB

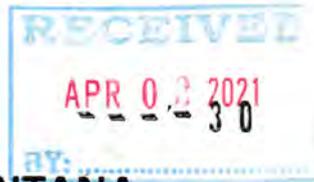
TARE

36000 TB RECEIVED

NET

54200 TB

04/01/2021 08:22AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130116-2
Date: April 1, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353106
Net Weight of Truck: 54,200 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



RECEIVED
APR 03 2021
--- 31

ORDER DATE	B/L NO.
3/18/2021	353113
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/1/2021	4/3/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			HAB	
TBD							

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),,8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3,8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
			Carrier offered required placards carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Emergency response guide present carrier BY:
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick
		CONTROL	Delivered BY: _____ DATE: 4-2-21 TIME IN: 6:45 AM/PM TIME OUT: 7:00 AM/PM

RECEIVED

APR 03 2021

BY: - - - - 31

ID 353113

GROSS 43060 16 INVOICE

04/02/2021 05:54AM

ID 353113

GROSS 90960 16

TARE 43060 16 REDUCED

NET 53920 16

04/02/2021 06:49AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jim@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130117-1
 Date: April 2, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353113
 Net Weight of Truck: 53,920 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

4-3-21
LOAD 2 Alum

From: **Thatcher Company of Montana**
At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

JOSE



ORDER DATE	B/L NO.
3/18/2021	353114
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC				
0800812	O 735 S 56th Street, Ste 2		H Black Lake				
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW				
	T		O Olympia, WA 98512				
	O 402-430-0352						
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/1/2021	4/3/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) <u>96,120</u>	TARE: (lbs) <u>42,420</u>	NET: (lbs) <u>53,700</u>	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron			Carrier offered required placards carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.			Emergency response guide present carrier BY:
BY: _____ (Carrier)			Trailer Numbers <u>930</u> # of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)			Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: <u>4-3-21</u>			Security Load Pick
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
CUSTOMER			Printed: 3/22/2021 10:07:23 AM by BrianSt

RECEIVED
APR 03 2021
-----32
BY:.....

ID 353

GROSS 42420 16 INSDUPO

04/02/2021 06:56AM
ID 353114

GROSS 96120 16
TAPE 42420 16 RECALLED
NET 53700 16

04/02/2021 07:44AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130117-2
Date: April 2, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353114
Net Weight of Truck: 53,700 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



4-321 Alum load 3
 JIM

ORDER DATE	B/L NO.
3/18/2021	353115
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO. 0800812	S HAB Aquatic Solutions, LLC O 735 S 56th Street, Ste 2 D Lincoln, NE 68510 T O	S HAB Aquatic Solutions, LLC H Black Lake P 7121 Fairview Rd. SW T Olympia, WA 98512 O 402-430-0352					
Ship Date 4/1/2021	Delivery Date 4/3/2021	WHS MT01	SHIP VIA Carrier	FREIGHT Prepaid & Add (FSC only)	FOB REMARK Origin	SALES AGENT JWZ	OPERATOR ShaylaB
CUSTOMER PO NUMBER TBD						ORDERED BY HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	
53,660							

GROSS: (lbs) 93940	TARE: (lbs) 40,280	NET: (lbs) 53,660	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier ordered required placards carrier BY:
Carrier certifies that the vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	Emergency response guide present carrier BY:
BY: (Carrier) Harv		Trailer Numbers _____ # of Hoses Needed Beyond Assigned _____	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: Jill BARR (Customer) DATE: 4-3-21		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	CUSTOMER B353115

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

APR 03 2021
---33

BY:..... ID 353115

4-3-21
Alum load 3
JIM

GROSS 40280 lb RETALLED

04/02/2021 09:01AM
ID 353115

GROSS 33940 lb
TARE 40280 lb RETALLED
NET 5360 lb

04/02/2021 10:20AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130117-3
 Date: April 2, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353115
 Net Weight of Truck: 53,660 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

4-4-21 Alum load 1
JR



ORDER DATE	B/L NO.
3/18/2021	353116
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC				
0800812	O 735 S 56th Street, Ste 2		H Black Lake				
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW				
	T		O Olympia, WA 98512				
	O 402-430-0352						
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/2/2021	4/4/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) <i>95760</i>	TARE: (lbs) <i>41800</i>	NET: (lbs) <i>53960</i>	Carrier approves load securement carrier BY: _____
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	Emergency response guide present carrier BY: _____
BY: _____ (Carrier)		Trailer Numbers <i>738</i> # of Hoses Needed Beyond Assigned _____	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: _____ DATE: <i>4-2-21</i>
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ <i>0.00</i>	TIME IN: <i>9:35</i> AM/PM TIME OUT: <i>7:00</i> AM/PM
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
		CONTROL B353116	

RECEIVED

APR 04 2021

BY: ---34

4421 Alum load / JR

ID 353116

GROSS 41300 LB INCALLED

04/03/2021 06:10AM

ID 353116

GROSS 95780 LB

TARE 41200 LB RECALLED

NET 53580 LB

04/03/2021 07:01AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130119-1
Date: April 3, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353116
Net Weight of Truck: 53,960 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.22%
Total Aluminum Content	TBD	4.35
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

4-4-21
A/M LOAD 2
SONNY

From: **Thatcher Company of Montana**
At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/18/2021	353117
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	0800812		S O L D T O		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S H I P P O		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR			
4/2/2021	4/4/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB			
CUSTOMER PO NUMBER						ORDERED BY				
TBD						HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 4/4 AT 10:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) 97260	TARE: (lbs) 43340	NET: (lbs) 53920	Carrier approves load securement carrier BY: _____
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	Emergency response guide present carrier BY: _____
BY: _____ (Carrier)		Trailer Numbers 717 # of Hoses Needed Beyond Assigned _____	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Delivered BY: _____ DATE: 4-3-21
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	TIME IN: 11:45 AM/PM TIME OUT: 1:45 AM/PM
DISPATCH B353117			Printed: 3/22/2021 10:14:47 AM by BrianSt

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED
APR 04 2021
BY: ----- 35
ID: 353117

4421
ALUM LOADZ

SONNY

GROSS 43340 lb INBOUND

04/03/2021 10:57AM
ID 353117

GROSS 97260 lb
TARE 43340 lb RECALLED
NET 53920 lb

04/03/2021 11:41AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130119-2
Date: April 3, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353117
Net Weight of Truck: 53920 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.22%
Total Aluminum Content	TBD	4.35
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479

*Alum
4-4-21
Load
Steps*



ORDER DATE	B/L NO.
3/18/2021	353118
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/2/2021	4/4/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) <u>53340</u>	TARE: (lbs) <u>500</u>	NET: (lbs) <u>53840</u>	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Emergency response guide present carrier BY:	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <u>DEL ENARROW</u> DATE: <u>4-4-21</u>		Security Load Pick	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
CONTROL		B353118	
Printed: 3/22/2021 10:15:17 AM by BrianSt			

RECEIVED

APR 04 2021
----- 3 6

BY:

ID 353118

GROSS 35500 lb INBOUND

04/03/2021 12:41PM
ID 353118

GROSS 89340 lb
TARE 35500 lb RECALLED
NET 53840 lb

04/03/2021 01:33PM

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130119-3
Date: April 3, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353118
Net Weight of Truck: 53840#

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.22%
Total Aluminum Content	TBD	4.35
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

4-5-21 Alum load 1

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



APR 05 2021
- - - 37

ORDER DATE	B/L NO
3/18/2021	353119
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/3/2021	4/5/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			HAB	
TBD							

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
		54,080	BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Carrier offered required placards carrier BY:
BY: _____ (Carrier)		Trailer Numbers	Emergency response guide present carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Security Load Pick
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		COD Amt: \$ 0.00	Delivered BY: _____
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <u>JOEL KARR</u> (Customer) DATE: <u>4-5-21</u>		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		CUSTOMER	Printed: 3/22/2021 10:15:53 AM by BrianSt



RECEIVED
APR 05 2021
BY: ---37

ID 353119

GROSS 44560 LB. HPO/ND

04/04/2021 10:01AM

ID 353119

GROSS 98640 LB

TARE 44560 LB REDALLO

NET 54080 LB

04/04/2021 10:52AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130120-1
 Date: April 4, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353119
 Net Weight of Truck: 54,080 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

4-521
LOAD 2
Alum
LARRY

--- 38

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/18/2021	353120
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
0800812							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/3/2021	4/5/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER				Dest.		ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 98,100 TARE: (lbs) 44,220 NET: (lbs) 53,880

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
BY: [Signature] (Carrier) HARRIS

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
BY: _____
(Customer)
DATE: _____

Pallets IN: _____ Pallets OUT: _____
Notes: _____
Trailer Numbers: 950 # of Hoses Needed Beyond Assigned: _____
Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ 0.00
Remit COD payment, and send freight bill with copy of B/L to:
Thatcher Company
Box 27407
Salt Lake City, UT 84127

Carrier approves load securement carrier BY: LD
Carrier offered required placards carrier BY: LD
Emergency response guide present carrier BY: LD

Security 25 Load Pick
Delivered BY: B.S. Harris
DATE: 4-4-21
TIME IN: 12:00 AM/PM
TIME OUT: 1:00 AM/PM

DISPATCH B353120

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED
APR 05 2021
BY: *[Signature]*

ID 353120

GROSS 44220 To *[Signature]* 38

04/04/2021 10:59AM

ID 353120

GROSS 58100 To
TAXE 44220 To RECEIVED
NET 53880 To

04/04/2021 11:52:21

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130120-2
Date: April 4, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353120
Net Weight of Truck: 53,880 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

4-5-21 Alum LOAD 3
CLYDE



APR 05 2021
 - - - - 3 9

ORDER DATE	B/L NO.
3/18/2021	353121
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/3/2021	4/5/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			HAB	
TBD							

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 54060	TARE: (lbs) 4770	NET: (lbs) 940	Carrier approves load securement carrier BY: <i>CS</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Emergency response guide present carrier BY: <i>C</i>	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		Security Load Pick	
		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
		CONTROL	B353121
Printed: 3/22/2021 10:21:59 AM by BrianSt			

RECEIVED

APR 05 2021

---39

BY:.....

ID 353121

GROSS 40120 LB INBOUND

04/04/2021 02:55PM

ID 353121

GROSS 94060 LB

TARE 40120 LB RECALLED

NET 53940 LB

04/04/2021 03:40PM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130122-1
Date: April 4, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353121
Net Weight of Truck: 53940lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: ~~Thatcher~~ **Company of Montana** *4-6-21 Alum load 1 Sunny*
 At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479



RECEIVED
 APR 06 2021
 40

ORDER DATE	B/L NO.
3/18/2021	353123
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/4/2021	4/6/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			HAB	
TBD							

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 4/6 AT 10:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) <i>97,200</i>	TARE: (lbs) <i>43,100</i>	NET: (lbs) <i>54,080</i>	Carrier approves load securement carrier BY:
----------------------------	---------------------------	--------------------------	--

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron	Pallets IN:	Pallets OUT:	Carrier offered required placards carrier BY:
	Notes:		Emergency response guide present carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.	Trailer Numbers <i>919</i>	# of Hoses Needed Beyond Assigned	Security
BY: <i>[Signature]</i> (Carrier)	Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Load <i>25</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)	COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <i>JORL A BARRON</i> (Customer) DATE: <i>4-6-21</i>	DISPATCH		Delivered BY: <i>[Signature]</i> DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

416-21
had

RECEIVED
APR 06 2021
BY: 40

ID 353123

GROSS 43180 lb INBOUND

04/05/2021 07:12AM
ID 353123

GROSS 97260 lb
TARE 43180 lb RECALLED
NET 54080 lb

04/05/2021 08:02AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130123-1
Date: April 5, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353123
Net Weight of Truck: 54,080 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



4-6-21
Alam
LOAD 2
JR

ORDER DATE	B/L NO.
3/18/2021	353122
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812		SOL		HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		SOL		HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR				
4/4/2021	4/6/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB				
CUSTOMER PO NUMBER						ORDERED BY					
TBD						HAB					

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
1EACH			Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 96,200	TARE: (lbs) 42,040	NET: (lbs) 54,160	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <i>[Signature]</i> (Carrier) HARMS		Trailer Numbers: [] [] # of Hoses Needed Beyond Assigned: []	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <i>[Signature]</i> (Customer) DATE: 4-6-21		Emergency response guide present carrier BY: <i>[Signature]</i>	
Security		Load	
Pick		Delivered	
BY: _____		DATE: _____	
TIME IN: _____ AM/PM		TIME OUT: _____ AM/PM	
CUSTOMER		B353122	

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED

APR 06 2021

---41

BY:

IB 353122

GROSS 96200 IB INBOUND

04/05/2021 06:17AM

IB 353122

GROSS 96200 IB

TARE 42040 IB RECALLED

NET 54160 IB

04/05/2021 07:07AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130122-2
Date: April 5, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353122
Net Weight of Truck: 54,160lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
 Missoula MT 59808
 Phone: 406-721-3479

*4-6-21
 Alum Load 3
 STEVE*



ORDER DATE	B/L NO.
3/18/2021	353124
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812						
SHIP TO	HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352					
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/4/2021	4/6/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution),, 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) TARE: (lbs) NET: (lbs) *54040*

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
 Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.

BY: _____ (Carrier)

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 _____ (Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
 BY: _____ (Customer)
 DATE: _____

Pallets IN: _____ Pallets OUT: _____

Notes:

Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____

Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ 0.00

Remit COD payment, and send freight bill with copy of B/L to:
 Thatcher Company
 Box 27407
 Salt Lake City, UT 84127

CUSTOMER B353124

Carrier approves load securement carrier BY: _____

Carrier offered required placards carrier BY: _____

Emergency response guide present carrier BY: _____

Security Load Pick

Delivered
 BY: _____
 DATE: _____
 TIME IN: _____ AM/PM
 TIME OUT: _____ AM/PM

RECEIVED

APR 06 2021
---42

BY:

ID 353124

GROSS 35000 1b INBOUND

04/05/2021 09:55AM

ID 353124

GROSS 89040 1b

TAPE 35000 1b RECALLED

NET 54040 1b

04/05/2021 10:42AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130123-2
Date: April 5, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353124
Net Weight of Truck: 54,040 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.28%
Total Aluminum Content	TBD	4.38
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/18/2021	353125
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	0800812						
SHIP TO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 D Lincoln, NE 68510	S HAB Aquatic Solutions, LLC Black Lake P 7121 Fairview Rd. SW T Olympia, WA 98512 O 402-430-0352					
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/5/2021	4/7/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 18520	TARE: (lbs) 44640	NET: (lbs) 54480	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: _____ (Carrier)		Trailer Numbers	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		# of Hoses Needed Beyond Assigned Security Load Pick Delivered BY: _____ DATE: 4-6-21 TIME IN: 7:00 AM/PM TIME OUT: 5:05 AM/PM	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127 CONTROL B353125	

RECEIVED
APR 07 2021

ID 353125

GROSS 44040 lb INBOUND

04/06/2021 06:14AM
ID 353125

GROSS 98520 lb
TARE 44040 lb RECALLED
NET 54480 lb

04/06/2021 07:01AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130126-1
Date: April 6, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353125
Net Weight of Truck: 54,480 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



RECEIVED
APR 07 2021

ORDER DATE	B/L NO
3/18/2021	353126
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CGN 22106 ****

CUST NO	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/5/2021	4/7/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
			<p>MUST DELIVER 4/7 AT 10:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>				

GROSS: (lbs) <u>98560</u>	TARE: (lbs) <u>4400</u>	NET: (lbs) <u>53160</u>	Carrier approves load securement carrier BY: <u>LD</u>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <u>[Signature]</u> (Carrier)		Trailer Numbers <u>930</u>	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall make delivery of this shipment without payment of freight and all other lawful charges.		Emergency response guide present carrier BY: <u>LD</u>	
<u>[Signature]</u> (Signature of Consignor)		Security Load Pick	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.		Delivered BY: <u>[Signature]</u>	
BY: _____ (Customer) DATE: _____		DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
DISPATCH		B353126	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/22/2021 10:27:13 AM by BrianSt

RECEIVED

APR 07 2021

BY:.....

ID 353126

GROSS 44400 1b INBOUND

04/06/2021 08:34AM

ID 353126

GROSS 98360 1b

TAPE 44400 1b RECALLED

NET 53960 1b

04/06/2021 09:18AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
 Lot #: #202130126-2
 Date: April 6, 2021
 HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353126
 Net Weight of Truck: 53,960 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING

From: **Thatcher Company of Montana**

At: 3200 Raser Drive
Missoula MT 59808
Phone: 406-721-3479



ORDER DATE	B/L NO.
3/18/2021	353127
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: GCN 22106 ****

CUST NO.	0800812		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/5/2021	4/7/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER			ORDERED BY				
TBD			HAB				

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	

GROSS: (lbs) 3720	TARE: (lbs) 31260	NET: (lbs) 53760	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	Emergency response guide present carrier BY: _____
BY: <i>[Signature]</i> (Carrier)		Trailer Numbers <input type="text"/> # of Hoses Needed Beyond Assigned <input type="text"/>	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
		CONTROL B353127	

All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms

RECEIVED
APR 07 2021
BY:

ID 353127

GROSS . 39260 lb INBOUND

04/06/2021 09:28AM
ID 353127

GROSS 93020 lb
TARE 39260 lb RECALLED
NET 53760 lb

04/06/2021 10:16AM

THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com



CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130127-1
Date: April 6, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353127
Net Weight of Truck: 53,760 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

Thatcher Company of Montana

J Raser Drive

ssoula MT 59808

Phone: 406-721-3479

4-7-21
Alum Load 4
JR



RECEIVED
APR 07 2021

ORDER DATE	B/L NO
3/18/2021	353128
Internal Use Only	

** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: GCN 22106 **

CUST NO.	0800812						
SHIP TO	HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352					
SHIP DATE	DELIVERY DATE	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/6/2021	4/8/2021	MT01	Carrier	Prepaid & Add (FSC only)	Origin	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (aluminum sulfate solution), 8, PGIII Aluminum Sulfate-Liq 8.3%AL2O3, 8.2%/17% 27.5 BULK Product Code: 0100850	27.5	55000 Lbs	55000 Lbs	
	1EEACH		Wash-out Trailer - TC 1 EACH Product Code: 9007073	1	0 Lbs	0 Lbs	
Total Weights:					55000 Lbs	55000 Lbs	
					36860 lbs		

GROSS: (lbs) 78960	TARE: (lbs) 42100	NET: (lbs) 36860	Carrier approves load securement carrier BY: _____
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	Emergency response guide present carrier BY: _____
BY: _____ (Carrier)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: 4-7-21		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: 4-7-21 TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		CONTROL B353128	Printed: 3/22/2021 10:28:07 AM by BrianSt

RECEIVED

APR 07 2021

BY:

ID 353128

GROSS 42100 lb INBOUND

04/07/2021 06:06AM

ID 353128

GROSS 78960 lb

TARE 42100 lb RECALLED

NET 36860 lb

04/07/2021 06:42AM



THATCHER COMPANY OF MONTANA

3200 Raser Drive Missoula, MT 59808

Phone: (877) 857-0392 / (406) 721-3479 Fax: (406) 721-3489 / E-Mail: jimp@tchem.com

CERTIFICATE OF ANALYSIS LIQUID ALUMINUM SULFATE

This is to certify that the listed shipment of Liquid Aluminum Sulfate ("Alum") was assayed with the following results:

Customer: HAB Aquatics – Black Lake Project
Lot #: #202130127-2
Date: April 6, 2021
HAB PO#/Thatcher MT BOL #: Tadd Barrow/Black Lake Project / #353128
Net Weight of Truck: 36,860 lbs

Parameter	Spec Range	Sample Result
Specific Gravity	1.329 – 1.337	1.33
Al ₂ O ₃ Content	8.2% minimum	8.26%
Total Aluminum Content	TBD	4.37
Temperature of Product	< 138°F	115°F

THATCHER COMPANY OF MONTANA

Korey Haffner

Korey Haffner, Plant Manager

STRAIGHT BILL OF LADING 01

1st load
3-23-21



From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587



ORDER DATE	B/L NO
3/15/2021	1537618
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551	S O L		S H I P				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/21/2021	3/23/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/23 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: JUEL BARKER (Customer) DATE: 3-23-21		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER B1537618	Printed: 3/15/2021 1:37:20 PM by Mandeep



THATCHER COMPANY, INC. - Main Truck Scale Ticket



Ticket # 84690
Weighed on a Fairbanks Scale

In: 3/21/2021 10:56 AM
Out: 3/21/2021 12:23 PM

BOL/PO# : 1537618
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : ACTION

Gross : 76580
Tare : 33500
Net : 43080

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: March 21, 2021
Lot Number: 21-02887
BOL Number: 1537618

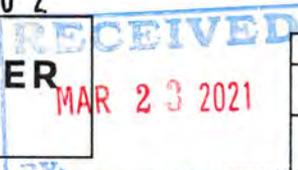
Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.29
Al ₂ O ₃ Assay (%)	19.59-21.39	20.84
Aluminum (%)	10.36-11.32	11.03
Total Solids (%)	38.6-42.2	41.1
Specific Gravity (25C)	Report	1.479


Javier Santos
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

TRUCK 2
 LSA
 3-23-21
 02

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587



ORDER DATE	B/L NO.
3/15/2021	1537620
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

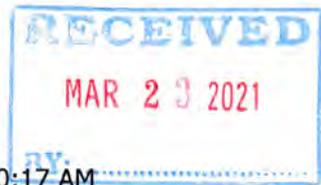
CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/21/2021	3/23/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
1	BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/23 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
--------------	-------------	------------	--

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:	Carrier offered required placards carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:		Emergency response guide present carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <u>JOEL KARROW</u> (Customer) DATE: <u>3-23-21</u>		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
COD Amt: \$ 0.00		CUSTOMER		

02
THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84688
Weighed on a Fairbanks Scale

In: 3/21/2021 10:17 AM
Out: 3/21/2021 11:26 AM

BOL/PO# : 1537620
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : ACTION

Gross : 77280
Tare : 32440
Net : 44840

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: March 21, 2021
Lot Number: 21-02887
BOL Number: 1537620

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.29
Al ₂ O ₃ Assay (%)	19.59-21.39	20.84
Aluminum (%)	10.36-11.32	11.03
Total Solids (%)	38.6-42.2	41.1
Specific Gravity (25C)	Report	1.479

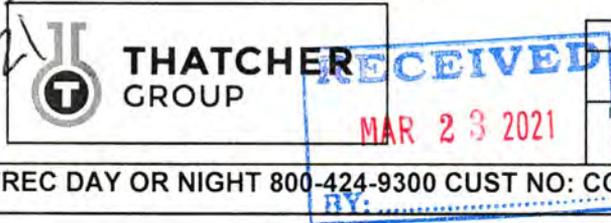

Javier Santos
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

03
 VSA
 TRACK 3
 3-23-21

(DAY EARLY)



ORDER DATE	B/L NO
3/15/2021	1537622
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CGN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/22/2021	3/24/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/24 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer?	
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		COD Amt: \$	0.00
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
BY: (Customer) DATE:		OFFICE	B1537622
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Emergency response guide present carrier BY: Security Load Pick Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM

03

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84699
Weighed on a Fairbanks Scale

In: 3/22/2021 09:30 AM
Out: 3/22/2021 11:25 AM

BOL/PO# : 1537622
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 76720
Tare : 32280
Net : 44440

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office

03



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: March 22, 2021
Lot Number: 21-01188
BOL Number: 1537622

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	21.31
Al ₂ O ₃ Assay (%)	19.59-21.39	20.04
Aluminum (%)	10.36-11.32	11.04
Total Solids (%)	38.6-42.2	41.2
Specific Gravity (25C)	Report	1.485

Karen Greenig
Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587



ORDER DATE	B/L NO
3/15/2021	1537624
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake P 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
---------	---	--	---	--

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/22/2021	3/24/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al₂O₃: 20.1 % Na₂O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:	41475 Lbs	41475 Lbs	
<p>MUST DELIVER 3/24 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: <i>[Signature]</i>	Pallets OUT: <i>[Signature]</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: <i>[Signature]</i> (Carrier)		Notes:	Carrier offered required placards carrier BY: <i>[Signature]</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers <input type="text"/>	# of Hoses Needed Beyond Assigned <input type="text"/>
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Emergency response guide present carrier BY: <i>[Signature]</i>
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		COD Amt: \$ 0.00	Security <input type="checkbox"/> Load <input type="checkbox"/> Pick <input type="checkbox"/>
		Remit COD payment, and send freight bill with copy of B/L to Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM
		CUSTOMER B1537624	Printed: 3/15/2021 1:38:24 PM by Mandeep

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84708
Weighed on a Fairbanks Scale

In: 3/22/2021 10:21 AM
Out: 3/22/2021 12:38 PM

BOL/PO# : 1537624
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 74820
Tare : 32060
Net : 42760

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: March 22, 2021
Lot Number: 21-01188
BOL Number: 1537624

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	21.31
Al ₂ O ₃ Assay (%)	19.59-21.39	20.04
Aluminum (%)	10.36-11.32	11.04
Total Solids (%)	38.6-42.2	41.2
Specific Gravity (25C)	Report	1.485

Karen Greenig
Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587



ORDER DATE	B/L NO
3/15/2021	1537625
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	L 735 S 56th Street, Ste 2		H Black Lake	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW	
	T 402-430-0352		T Olympia, WA 98512	
	O		O 402-430-0352	

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/23/2021	3/25/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:	41475 Lbs	41475 Lbs	
<p>MUST DELIVER 3/25 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: Pallets OUT:	Carrier offered required placards carrier BY: <i>[Signature]</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Emergency response guide present carrier BY: <i>[Signature]</i>
BY: <i>[Signature]</i> (Carrier)		Trailer Numbers: Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	# of Hoses Needed Beyond Assigned: <input type="checkbox"/> Yes <input type="checkbox"/> No
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Security Load Pick	
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		COD Amt: \$ 0.00	
(Signature of Consignor)		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.		Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM	
BY: (Customer) DATE:		CUSTOMER B1537625	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/15/2021 1:38:44 PM by Mandeep

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84765
Weighed on a Fairbanks Scale

In: 3/23/2021 07:36 AM
Out: 3/23/2021 09:13 AM

BOL/PO# : 1537625
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 75540
Tare : 32540
Net : 43000

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: March 23, 2021
Lot Number: 21-01981
BOL Number: 1537625

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.69
Al ₂ O ₃ Assay (%)	19.59-21.39	20.26
Aluminum (%)	10.36-11.32	10.72
Total Solids (%)	38.6-42.2	41.0
Specific Gravity (25C)	Report	1.4839

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



RECEIVED

MAR 25 2021

Reprint # 1 Page 1 of 1

ORDER DATE	B/L NO
3/15/2021	1537627
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	O 735 S 56th Street, Ste 2		H Black Lake	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW	
	T 402-430-0352		O Olympia, WA 98512	
			o 402-430-0352	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:	41475 Lbs	41475 Lbs	
<p>MUST DELIVER 3/25 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
<p>I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.</p> <p>Shipper BY: S. Catron</p>			Carrier offered required placards carrier BY:
<p>Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.</p> <p>BY: _____ (Carrier)</p>			Emergency response guide present carrier BY:
<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.</p> <p>_____ (Signature of Consignor)</p>			Security Load Pick
<p>Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.</p> <p>BY: _____ (Customer)</p> <p>DATE: _____</p>			Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
<p>Trailer Numbers</p> <p>Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>Pallets IN: _____ Pallets OUT: _____</p> <p>Notes:</p> <p># of Hoses Needed Beyond Assigned _____</p>	
<p>COD Amt: \$ 0.00</p> <p>Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127</p>		<p>CUSTOMER B1537627</p>	
<p>All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms</p>			

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84772
Weighed on a Fairbanks Scale

In: 3/23/2021 09:56 AM
Out: 3/23/2021 11:30 AM

BOL/PO# : 15376274
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 76140
Tare : 33400
Net : 42740

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: March 23, 2021
Lot Number: 21-02836
BOL Number: 1537627

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.53
Al ₂ O ₃ Assay (%)	19.59-21.39	20.75
Aluminum (%)	10.36-11.32	10.98
Total Solids (%)	38.6-42.2	41.3
Specific Gravity (25C)	Report	1.483

Karen Greenig
Karen Greenig
Thatcher Company
Authorized Signature

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84838
Weighed on a Fairbanks Scale

In: 3/24/2021 09:00 AM
Out: 3/24/2021 10:26 AM

BOL/PO# : 1537681
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 75020
Tare : 32820
Net : 42200

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 24, 2021
Lot Number: 21-02887
BOL Number: 1537681

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.29
Al ₂ O ₃ Assay (%)	19.59-21.39	20.84
Aluminum (%)	10.36-11.32	11.03
Total Solids (%)	38.6-42.2	41.1
Specific Gravity (25C)	Report	1.479

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

LSA Load 2
3-26-21

Chris



ORDER DATE	B/L NO
3/15/2021	1537682
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	735 S 56th Street, Ste 2		Black Lake	
	Lincoln, NE 68510		7121 Fairview Rd. SW	
	402-430-0352		Olympia, WA 98512	
	402-430-0352		402-430-0352	

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/24/2021	3/26/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/26 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 77120	TARE: (lbs) 33420	NET: (lbs) 43700	Carrier approves load securement carrier BY: <i>CD</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <i>[Signature]</i> (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		COD Amt: \$ 0.00	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
		OFFICE	B1537682
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Delivered BY: <i>Action Resources</i> DATE: <i>3-29</i> TIME IN: _____ AM/PM TIME OUT: _____ AM/PM

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84865
Weighed on a Fairbanks Scale

In: 3/24/2021 02:28 PM
Out: 3/24/2021 03:40 PM

BOL/PO# : 1537682
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 77120
Tare : 33420
Net : 43700

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX

CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 24, 2021
Lot Number: 21-02888
BOL Number: 1537682

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.37
Al ₂ O ₃ Assay (%)	19.59-21.39	21.17
Aluminum (%)	10.36-11.32	11.21
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.485

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*LSA LOAD
3-26-21*



ORDER DATE	B/L NO
3/15/2021	1537683
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	1401551		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/25/2021	3/27/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/27 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM
		CUSTOMER B1537683	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84907
Weighed on a Fairbanks Scale

In: 3/25/2021 10:11 AM
Out: 3/25/2021 11:56 AM

BOL/PO# : 1537683
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78580
Tare : 32740
Net : 45840

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 25, 2021
Lot Number: 21-02890
BOL Number: 1537683

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.32
Al ₂ O ₃ Assay (%)	19.59-21.39	20.94
Aluminum (%)	10.36-11.32	11.08
Total Solids (%)	38.6-42.2	41.3
Specific Gravity (25C)	Report	1.477

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING



From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587



3-27-21
 LSA Load
 Robert

ORDER DATE	B/L NO
3/15/2021	1537684
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	1401551		SO L HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 D Lincoln, NE 68510 T 402-430-0352 O		SH I HAB Aquatic Solutions, LLC Black Lake P 7121 Fairview Rd. SW T Olympia, WA 98512 O 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/25/2021	3/27/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER				ORDERED BY			
TBD				HAB			

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al ₂ O ₃ : 20.1 % Na ₂ O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:					41475 Lbs	41475 Lbs	
MUST DELIVER 3/27 AT 12:00 PM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.							

GROSS: (lbs) 7240	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: _____
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: _____ (Carrier)		Notes:	Emergency response guide present carrier BY: _____
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____ Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
CUSTOMER B1537684			Printed 3/15/2021 1:40:22 PM by Mandeep

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84927
Weighed on a Fairbanks Scale

In: 3/25/2021 02:46 PM
Out: 3/25/2021 04:14 PM

BOL/PO# : 1537684
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 76840
Tare : 32620
Net : 44220

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 25, 2021
Lot Number: 21-02889
BOL Number: 1537684

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.42
Al ₂ O ₃ Assay (%)	19.59-21.39	21.12
Aluminum (%)	10.36-11.32	11.18
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.478

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*LSA
2nd LOAD
3-27-21
KYLE*



ORDER DATE	B/L NO
3/15/2021	1537685
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	1401551		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT OPERATOR
3/26/2021	3/28/2021	SL01	Carrier	Prepaid	Destination	JWZ ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			
TBD			HAB			

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTCLS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:					41475 Lbs	41475 Lbs	
<p>MUST DELIVER 3/28 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) <i>78220</i>	TARE: (lbs) <i>32400</i>	NET: (lbs) <i>45820</i>	Carrier approves load securement carrier BY: <i>Kyle</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: <i>S. Catron</i>		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: <i>Kyle</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes: _____	Emergency response guide present carrier BY: <i>Kyle</i>
BY: _____ (Carrier)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: <i>Kyle</i> DATE: _____
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
CUSTOMER B1537685			Printed: 3/15/2021 1:40:46 PM by Manteep

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84964
Weighed on a Fairbanks Scale

In: 3/26/2021 10:14 AM
Out: 3/26/2021 11:32 AM

BOL/PO# : 1537685
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78220
Tare : 32400
Net : 45820

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 26, 2021
Lot Number: 21-02894
BOL Number: 1537685

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	19.69
Al ₂ O ₃ Assay (%)	19.59-21.39	20.42
Aluminum (%)	10.36-11.32	10.81
Total Solids (%)	38.6-42.2	40.1
Specific Gravity (25C)	Report	1.475

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

LSA
LOAD 3
3-27-21

ROB

RECEIVED

From: **Thatcher Company, Inc.**
At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



MAR 27 2021
BY: _____

ORDER DATE	B/L NO
3/15/2021	1537687
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551	S O L T O		S H I P T O				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/26/2021	3/28/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:		41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/28 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: _____ (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER B1537687	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/15/2021 1:41:10 PM by Mandeep

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84987
Weighed on a Fairbanks Scale

In: 3/26/2021 02:51 PM
Out: 3/26/2021 04:40 PM

BOL/PO# : 1537687
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78440
Tare : 32560
Net : 45880

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 26, 2021
Lot Number: 21-02892
BOL Number: 1537687

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.31
Al ₂ O ₃ Assay (%)	19.59-21.39	20.94
Aluminum (%)	10.36-11.32	11.08
Total Solids (%)	38.6-42.2	41.3
Specific Gravity (25C)	Report	1.480

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*328-21
LSA LOAD 1 B.U*



RECEIVED
 MAR 28 2021
 BY: *13*

ORDER DATE	B/L NO
3/15/2021	1537704
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	1401551		SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
	S HAB Aquatic Solutions, LLC L 735 S 56th Street, Ste 2 D Lincoln, NE 68510 T 402-430-0352		Carrier	Prepaid	Destination	JWZ	ShaylaB
	S HAB Aquatic Solutions, LLC H Black Lake I 7121 Fairview Rd. SW P Olympia, WA 98512 T 402-430-0352						
Ship Date	Delivery Date	WHS					
3/27/2021	3/29/2021	SL01					
CUSTOMER PO NUMBER				ORDERED BY			
TBD				HAB			

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/29 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: <i>F.W.J.</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <i>[Signature]</i> (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Emergency response guide present carrier BY: <i>F.W.J.</i>	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM
		CUSTOMER B1537704	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 84957
Weighed on a Fairbanks Scale

In: 3/26/2021 07:13 AM
Out: 3/26/2021 08:37 AM

BOL/PO# : 1537704
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78000
Tare : 31860
Net : 46140

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 26, 2021
Lot Number: 21-02891
BOL Number: 1537704

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.18
Al ₂ O ₃ Assay (%)	19.59-21.39	20.96
Aluminum (%)	10.36-11.32	11.09
Total Solids (%)	38.6-42.2	41.2
Specific Gravity (25C)	Report	1.476

Karen Greenig
Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*LOADZ
LSA
3-29-21
Dean*



RECEIVED
MAR 28 2021
 BY: *[Signature]*
 14

Reprint # 1 Page 1 of 1

ORDER DATE	B/L NO
3/15/2021	1537689
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	1401551		SHIP VIA		FREIGHT		FOB REMARK		SALES AGENT		OPERATOR	
	HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		Carrier		Prepaid		Destination		JWZ		ShaylaB	
	HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352										ORDERED BY HAB	
CUSTOMER PO NUMBER			TBD									

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/29 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)		TARE: (lbs)		NET: (lbs)		Carrier approves load securement carrier BY:	
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron				Pallets IN:		Pallets OUT:	
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)				Notes:		Carrier offered required placards carrier BY:	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)				Trailer Numbers		# of Hoses Needed Beyond Assigned	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <i>Tara Barrow</i> (Customer) DATE: <i>3-29-21</i>				Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No		Emergency response guide present carrier BY:	
				COD Amt: \$		0.00	
				Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company, Box 27407, Salt Lake City, UT 84127		Security Load Pick	
				CUSTOMER		Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM	
						B1537689	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85026
Weighed on a Fairbanks Scale

In: 3/27/2021 10:33 AM
Out: 3/27/2021 10:33 AM

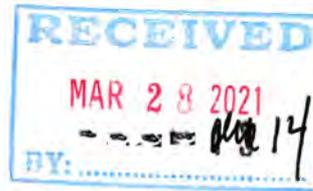
BOL/PO# : 1537689
Tractor and Trailer(s) : .
Notes : Sodium Aluminate
Carrier : Action 749060

Gross : 77400
Tare : 32200
Net : 45200

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 27, 2021
Lot Number: 21-03294
BOL Number: 1537689

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Pass
Na ₂ O Assay (%)	19.05-20.81	20.60
Al ₂ O ₃ Assay (%)	19.59-21.39	21.13
Aluminum (%)	10.36-11.32	11.18
Total Solids (%)	38.6-42.2	41.7
Specific Gravity (25C)	Report	1.476

Jing Guo


Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*3-30-21
LSA Load
Chris*



RECEIVED
MAR 30 2021
 - - - 15

ORDER DATE	B/L NO.
3/15/2021	1537705
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST. NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/28/2021	3/30/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/30 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		COD Amt: \$	0.00
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <u>JUEL BARROW</u> (Customer) DATE: <u>3-30-21</u>		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
		CUSTOMER	B1537705
		Security Load Pick	
		Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/15/2021 2:33:53 PM by Mandeep

**THATCHER COMPANY, INC. - Main
Truck Scale Ticket**



Ticket # 85044
Weighed on a Fairbanks Scale

In: 3/28/2021 09:49 AM
Out: 3/28/2021 11:25 AM

BOL/PO# : 1537705
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : CC Action

Gross : 78600
Tare : 33580
Net : 45020

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 28, 2021
Lot Number: 21-03294
BOL Number: 1537705

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Pass
Na ₂ O Assay (%)	19.05-20.81	20.60
Al ₂ O ₃ Assay (%)	19.59-21.39	21.13
Aluminum (%)	10.36-11.32	11.18
Total Solids (%)	38.6-42.2	41.7
Specific Gravity (25C)	Report	1.476

Jing Guo


Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

330-21
LSA LOADZ
Robert

From: Thatcher Company, Inc.

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



ORDER DATE	B/L NO
3/15/2021	1537732
Internal Use Only	

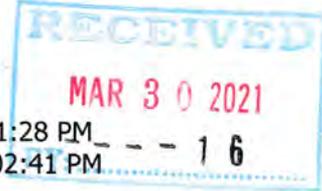
** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 **

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC				
1401551	735 S 56th Street, Ste 2		Black Lake				
	Lincoln, NE 68510		P 7121 Fairview Rd. SW				
	402-430-0352		T Olympia, WA 98512				
	O		O 402-430-0352				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/29/2021	3/31/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al ₂ O ₃ : 20.1 % Na ₂ O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:					41475 Lbs	41475 Lbs	
MUST DELIVER 3/31 AT 7:00 AM							
DO NOT SHIP UNDERWEIGHT							
COA REQUIRED							
Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.							
HAB will have someone at each site to assist with unloading.							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	Carrier offered required placards carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick
		CUSTOMER	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		B1537732	Printed: 3/16/2021 8:32:27 AM by MichelleS

**THATCHER COMPANY, INC. - Main
Truck Scale Ticket**



Ticket # 85046
Weighed on a Fairbanks Scale

In: 3/28/2021 01:28 PM
Out: 3/28/2021 02:41 PM

BOL/PO# : 1537732
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : Action 1

Gross : 77540
Tare : 32380
Net : 45160

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office

RECEIVED
MAR 30 2021
BY: --- 16



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4806 FAX

CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 28, 2021
Lot Number: 21-03292
BOI. Number: 1537732

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Pass
Na ₂ O Assay (%)	19.05-20.81	20.59
Al ₂ O ₃ Assay (%)	19.59-21.39	21.11
Aluminum (%)	10.36-11.32	11.17
Total Solids (%)	38.6-42.2	41.7
Specific Gravity (25C)	Report	1.482

Jing Guo

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

331-21
LSA LOAD 1
ROB



17 Page 1 of 1

ORDER DATE	B/L NO
3/15/2021	1537733
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC				
1401551	O 735 S 56th Street, Ste 2		H Black Lake				
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW				
	T 402-430-0352		O Olympia, WA 98512				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/29/2021	3/31/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
MUST DELIVER 3/31 AT 12:00 PM DO NOT SHIP UNDERWEIGHT COA REQUIRED Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures. HAB will have someone at each site to assist with unloading.							

GROSS: (lbs)		TARE: (lbs)		NET: (lbs)		Carrier approves load securement carrier BY:			
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY S. Catron				Pallets IN:		Pallets OUT:			
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY (Carrier)				Notes:				Carrier offered required placards carrier BY:	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)				Trailer Numbers		# of Hoses Needed Beyond Assigned		Emergency response guide present carrier BY:	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:				Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		Security Load Pick	
				COD Amt: \$ 0.00				Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
				Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		CUSTOMER B1537733			
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms								Printed: 3/16/2021 8:32:44 AM by MichelleS	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85060
Weighed on a Fairbanks Scale

In: 3/29/2021 08:40 AM
Out: 3/29/2021 10:10 AM

BOL/PO# : 1537733
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 77440
Tare : 32440
Net : 45000

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX

----- 17



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics Solutions, LLC
Date: March 29, 2021
Lot Number: 21-03292
BOL Number: 1537733

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Pass
Na ₂ O Assay (%)	19.05-20.81	20.59
Al ₂ O ₃ Assay (%)	19.59-21.39	21.11
Aluminum (%)	10.36-11.32	11.17
Total Solids (%)	38.6-42.2	41.7
Specific Gravity (25C)	Report	1.482

THATCHER COMPANY
Authorized Signature
Shaun Byrne

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

3-31-21
 LOAD 2 LSA
 PARK

18



ORDER DATE	B/L NO
3/15/2021	1537731
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	735 S 56th Street, Ste 2		H Black Lake	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW	
	T 402-430-0352		Olympia, WA 98512	
	O		O 402-430-0352	

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/28/2021	3/30/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:		41475 Lbs	41475 Lbs
<p>MUST DELIVER 3/30 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: _____
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: _____
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: _____ (Carrier)		Notes: _____	Emergency response guide present carrier BY: _____
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: _____ (Signature of Consignor)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____	Security Load Pick
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00	
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
		CUSTOMER B1537731	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed 3/16/2021 8:32:12 AM by MichelleS

**THATCHER COMPANY, INC. - Main
Truck Scale Ticket**

Ticket # 85078
Weighed on a Fairbanks Scale

In: 3/29/2021 12:23 PM
Out: 3/29/2021 12:40 PM



BOL/PO# : 1537731
Tractor and Trailer(s) : .
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78120
Tare : 32380
Net : 45740

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 29, 2021
Lot Number: 21-02895
BOL Number: 1537731

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.22
Al ₂ O ₃ Assay (%)	19.59-21.39	21.26
Aluminum (%)	10.36-11.32	11.25
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.486

Shaun Byrne

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

*3-31-21
LSA LOADS
BILL*



MAR 31 2021

19

ORDER DATE	B/L NO
3/15/2021	1537735
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC				
1401551	735 S 56th Street, Ste 2		H Black Lake				
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW				
	T 402-430-0352		O Olympia, WA 98512				
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/30/2021	4/1/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al ₂ O ₃ : 20.1 % Na ₂ O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/1 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY: <i>J. W. J.</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: <i>[Signature]</i> (Carrier)		Notes:	Carrier offered required placards carrier BY: <i>J. W. J.</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers: <input type="text"/> <input type="text"/>	# of Hoses Needed Beyond Assigned: <input type="text"/>
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY: <i>J. W. J.</i>
		COD Amt: \$ 0.00	Security Load Pick
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
		CUSTOMER B1537735	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket

Ticket # 85116
Weighed on a Fairbanks Scale

In: 3/30/2021 07:10 AM
Out: 3/30/2021 09:31 AM



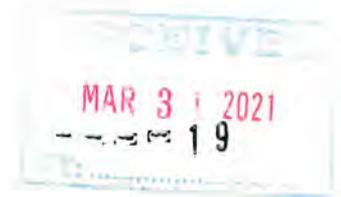
BOL/PO# : 1537735
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 76980
Tare : 31780
Net : 45200

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 30, 2021
Lot Number: 21-03294
BOL Number: 1537735

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.60
Al ₂ O ₃ Assay (%)	19.59-21.39	21.13
Aluminum (%)	10.36-11.32	11.18
Total Solids (%)	38.6-42.2	41.7
Specific Gravity (25C)	Report	1.476

Karen Greenig

Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

4-1-21
 LSA
 LOAD
 KYLE



APR 01 2021

ORDER DATE	B/L NO
3/15/2021	1537737
Internal Use Only	
** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 **	

CUST NO	S HAB Aquatic Solutions, LLC O 735 S 56th Street, Ste 2 D Lincoln, NE 68510 T 402-430-0352 O		S HAB Aquatic Solutions, LLC H Black Lake I 7121 Fairview Rd. SW P Olympia, WA 98512 T 402-430-0352 O				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/31/2021	4/2/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al ₂ O ₃ : 20.1 % Na ₂ O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/2 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 77120	TARE: (lbs) 37750	NET: (lbs) 39370	Carrier approves load securement carrier BY: <i>DR</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN: Pallets OUT:	Carrier offered required placards carrier BY: <i>DR</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Emergency response guide present carrier BY: <i>DR</i>
BY: <i>Shayla B</i> (Carrier)		Trailer Numbers: # of Hoses Needed Beyond Assigned:	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		OFFICE	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/16/2021 8:33:44 AM by MichelleS.

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85193
Weighed on a Fairbanks Scale

In: 3/31/2021 07:49 AM
Out: 3/31/2021 09:17 AM

BOL/PO# : 1537737
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 77120
Tare : 31780
Net : 45340

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 31, 2021
Lot Number: 21-03298
BOL Number: 1537737

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	19.98
Al ₂ O ₃ Assay (%)	19.59-21.39	20.83
Aluminum (%)	10.36-11.32	11.03
Total Solids (%)	38.6-42.2	40.8
Specific Gravity (25C)	Report	1.481

Karen Greenig
Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

4-221
 LSA LOAD 1
 JASON



RECEIVED
 APR 03 2021
 21

ORDER DATE	B/L NO
3/15/2021	1537738
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	O 735 S 56th Street, Ste 2		H Black Lake	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW	
	T 402-430-0352		T Olympia, WA 98512	
	O		O 402-430-0352	

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/31/2021	4/2/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
				Total Weights:		41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/2 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 79440	TARE: (lbs) 33600	NET: (lbs) 45840
---------------------------	--------------------------	-------------------------

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable regulations of the Department of Transportation
 Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
 BY: Jason Wilber (Carrier)

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 _____ (Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
 BY: _____ (Customer)
 DATE: _____

Pallets IN: _____ Pallets OUT: _____

Notes: _____

Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____

Right Hoses Assigned to Trailer? Yes No Yes No

COD Amt: \$ **0.00**

Remit COD payment, and send freight bill with copy of B/L to:
 Thatcher Company
 Box 27407
 Salt Lake City, UT 84127

Security Load Pick

Delivered BY: Active Resources
 DATE: 3-31
 TIME IN: _____ AM/PM
 TIME OUT: _____ AM/PM

OFFICE B1537738

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85226
Weighed on a Fairbanks Scale

In: 3/31/2021 02:47 PM
Out: 3/31/2021 04:47 PM

BOL/PO# : 1537738
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 79440
Tare : 33600
Net : 45840

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 31, 2021
Lot Number: 21-03297
BOL Number: 1537738

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	19.99
Al ₂ O ₃ Assay (%)	19.59-21.39	20.93
Aluminum (%)	10.36-11.32	11.08
Total Solids (%)	38.6-42.2	40.9
Specific Gravity (25C)	Report	1.484

Karen Greenig

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

LSA
LOAD 2
42-21
Chris



ORDER DATE	B/L NO
3/15/2021	1537736
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

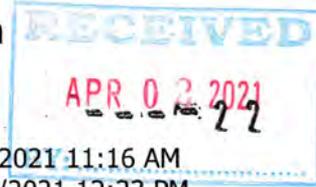
CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	O 735 S 56th Street, Ste 2		H Black Lake	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW	
	T 402-430-0352		O Olympia, WA 98512	
	O		O 402-430-0352	

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
3/30/2021	4/1/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/1 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 78410	TARE: (lbs) 33270	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation, Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading		Notes:	
BY: (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Security Load Pick	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM	
Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		OFFICE	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		Printed: 3/16/2021 8:33:28 AM by MichelleS.	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85210
Weighed on a Fairbanks Scale

In: 3/31/2021 11:16 AM
Out: 3/31/2021 12:23 PM

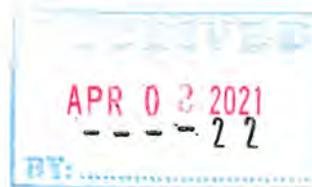
BOL/PO# : 1537736
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78440
Tare : 33220
Net : 45220

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: March 31, 2021
Lot Number: 21-03293
BOL Number: 1537736

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.55
Al ₂ O ₃ Assay (%)	19.59-21.39	20.98
Aluminum (%)	10.36-11.32	11.10
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.466

Karen Greenig
Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

*4-3-21
LSA Load
Robert*



RECEIVED
APR 03 2021
--- 23

ORDER DATE	B/L NO.
3/17/2021	1537947
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	1401551		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT OPERATOR
4/1/2021	4/3/2021	SL01	Carrier	Prepaid	Destination	JWZ ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			
TBD			HAB			

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/3 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: <i>[Signature]</i> (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00	Emergency response guide present carrier BY:
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick
		OFFICE	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/17/2021 3:15:24 PM by ShaylaB



THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85264
Weighed on a Fairbanks Scale

In: 4/1/2021 08:01 AM
Out: 4/1/2021 10:17 AM

BOL/PO# : 1537947
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78220
Tare : 32560
Net : 45660

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 1, 2021
Lot Number: 21-03299
BOL Number: 1537947

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.09
Al ₂ O ₃ Assay (%)	19.59-21.39	20.60
Aluminum (%)	10.36-11.32	10.90
Total Solids (%)	38.6-42.2	40.7
Specific Gravity (25C)	Report	1.487

Karen Greenig

Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587



ORDER DATE	B/L NO
3/17/2021	1537948
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	1401551		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT OPERATOR
4/1/2021	4/3/2021	SL01	Carrier	Prepaid	Destination	JWZ ShaylaB
CUSTOMER PO NUMBER			ORDERED BY			
TBD			HAB			

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/3 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 775	TARE: (lbs)	NET: (lbs) 775	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: Pallets OUT:	Carrier offered required placards carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	Emergency response guide present carrier BY:
BY: (Carrier)		Trailer Numbers: Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	# of Hoses Needed Beyond Assigned: <input type="checkbox"/> Yes <input type="checkbox"/> No
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		COD Amt: \$ 0.00	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Delivered BY: DATE: TIME IN: AM/PM TIME OUT: AM/PM
		CUSTOMER B1537948	

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85292
Weighed on a Fairbanks Scale

In: 4/1/2021 04:14 PM
Out: 4/1/2021 05:41 PM

BOL/PO# : 1537948
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 77080
Tare : 31780
Net : 45300

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatics
Date: April 1, 2021
Lot Number: 21-03554
BOL Number: 1537948

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	19.90
Al ₂ O ₃ Assay (%)	19.59-21.39	20.51
Aluminum (%)	10.36-11.32	10.86
Total Solids (%)	38.6-42.2	40.4
Specific Gravity (25C)	Report	1.481

Nathan Turner

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*4421
LSA LOAD 1
ROB*



ORDER DATE	B/L NO.
3/17/2021	1537951
Internal Use Only	

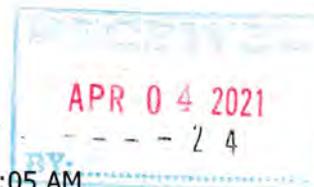
**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC O 735 S 56th Street, Ste 2 L Lincoln, NE 68510 D 402-430-0352 T O		S HAB Aquatic Solutions, LLC H Black Lake I P 7121 Fairview Rd. SW T Olympia, WA 98512 O 402-430-0352				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/2/2021	4/4/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/4 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) <i>75,120</i>	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		Trailer Numbers	# of Hoses Needed Beyond Assigned
		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
		COD Amt: \$ 0.00	Emergency response guide present carrier BY:
		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick
		CUSTOMER	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed 3/17/2021 3:17:00 PM by ShaylaB

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85318
Weighed on a Fairbanks Scale

In: 4/2/2021 09:05 AM
Out: 4/2/2021 11:00 AM

BOL/PO# : 1537951
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 75160
Tare : 32280
Net : 42880

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 2, 2021
Lot Number: 21-03555
BOL Number: 1537951

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.16
Al ₂ O ₃ Assay (%)	19.59-21.39	21.35
Aluminum (%)	10.36-11.32	11.30
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.489

Karen Greenig

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

*LSA
LOAD 2
Bill*



RECEIVED
 APR 04 2021
 - - - - 25

ORDER DATE	B/L NO
3/17/2021	1537950
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO.	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352	
1401551				

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/2/2021	4/4/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/4 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) <i>77,560</i>	TARE: (lbs) <i>31,010</i>	NET: (lbs) <i>45,920</i>	Carrier approves load securement carrier BY: <i>P. W. J.</i>
----------------------------	---------------------------	--------------------------	--

I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.
 Shipper BY: S. Catron

Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.
 BY: *Luc W. Tomlinson* (Carrier)

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 (Signature of Consignor)

Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.
 BY: _____ (Customer)
 DATE: _____

Pallets IN:	Pallets OUT:	Notes:
Trailer Numbers	# of Hoses Needed Beyond Assigned	Emergency response guide present carrier BY: <i>P. W. J.</i>
Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Security Load Pick
COD Amt: \$ 0.00		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		B1537950

**THATCHER COMPANY, INC. - Main
Truck Scale Ticket**



Ticket # 85310
Weighed on a Fairbanks Scale

In: 4/2/2021 06:53 AM
Out: 4/2/2021 09:18 AM

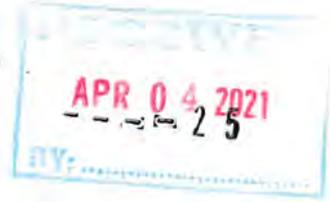
BOL/PO# : 1537950
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 77560
Tare : 31640
Net : 45920

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 2, 2021
Lot Number: 21-03555
BOL Number: 1537950

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.16
Al ₂ O ₃ Assay (%)	19.59-21.39	21.35
Aluminum (%)	10.36-11.32	11.30
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.489

Karen Greenig

Karen Greenig
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**
 At: 1905 Fortune Road
 Salt Lake City UT 84104
 Phone: 801-972-4587

4-5-21
 USA
 LOAD 1
 JASON



RECEIVED
 APR 05 2021
 2 6

ORDER DATE	B/L NO
3/17/2021	1537953
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/3/2021	4/5/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
1	BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/5 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
7200	4000	4000	BY: [Signature]
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	BY: [Signature]
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers _____ # of Hoses Needed Beyond Assigned _____ Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	Emergency response guide present carrier BY:
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick
		OFFICE	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed: 3/17/2021 3:17:38 PM by ShaylaB

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85379
Weighed on a Fairbanks Scale

In: 4/3/2021 09:23 AM
Out: 4/3/2021 11:17 AM

BOL/PO# : 1537953
Tractor and Trailer(s) : .
Notes : Sodium Aluminate
Carrier : ACTION

Gross : 79140
Tare : 34060
Net : 45080

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 3, 2021
Lot Number: 21-03609
BOL Number: 1537953

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	19.81
Al ₂ O ₃ Assay (%)	19.59-21.39	20.37
Aluminum (%)	10.36-11.32	10.78
Total Solids (%)	38.6-42.2	40.2
Specific Gravity (25C)	Report	1.487

Javier Santos

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

4-5-21
LSA LOAD 2
KYLE



APR 05 2021
- - - - 27

ORDER DATE	B/L NO
3/17/2021	1537952
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352				
1401551							
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/3/2021	4/5/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTCLS
112	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:					41475 Lbs	41475 Lbs	
<p>MUST DELIVER 4/5 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 77100	TARE: (lbs) 33200	NET: (lbs) 43900	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: Pallets OUT:	Carrier offered required placards carrier BY: <i>[Signature]</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)		Notes:	Emergency response guide present carrier BY: <i>[Signature]</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)		Trailer Numbers: Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	# of Hoses Needed Beyond Assigned: <input type="checkbox"/> Yes <input type="checkbox"/> No
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: (Customer) DATE:		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	Security Load Pick Delivered BY: <i>[Signature]</i> DATE: <i>[Signature]</i> TIME IN: AM/PM TIME OUT: AM/PM
CUSTOMER			Printed: 3/17/2021 3:17:24 PM by ShaylaB

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85381
Weighed on a Fairbanks Scale

In: 4/3/2021 10:12 AM
Out: 4/3/2021 12:57 PM

BOL/PO# : 1537952
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : ACTION #2

Gross : 77960
Tare : 32260
Net : 45700

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 3, 2021
Lot Number: 21-03610
BOL Number: 1537952

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	20.61
Al ₂ O ₃ Assay (%)	19.59-21.39	21.38
Aluminum (%)	10.36-11.32	11.32
Total Solids (%)	38.6-42.2	42.0
Specific Gravity (25C)	Report	1.501


Javier Santos

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



THATCHER GROUP

RECEIVED
APR 06 2021
2 8

ORDER DATE	B/L NO
3/17/2021	1537954
Internal Use Only	



**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352					
1401551	SHIP DATE	DELIVERY DATE	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
	4/4/2021	4/6/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER							ORDERED BY	
TBD							HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al ₂ O ₃ : 20.1 % Na ₂ O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/6 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approved load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron			Carrier offered required placards carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: (Carrier)			Emergency response guide present carrier BY:
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)			Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: <u>JOEL BARROW</u> (Customer) DATE: <u>4-6-21</u>			Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127		CUSTOMER B1537954	Printed: 3/17/2021 3:18:06 PM by ShaylaB

4-6-21
LOADS LSA
CHRIS
will email CoFA

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85392
Weighed on a Fairbanks Scale

In: 4/4/2021 09:52 AM
Out: 4/4/2021 10:56 AM

BOL/PO# : 1537954
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : Action

Gross : 78920
Tare : 32980
Net : 45940

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 4, 2021
Lot Number: 21-03661
BOL Number: 1537954

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	19.50
Al ₂ O ₃ Assay (%)	19.59-21.39	20.85
Aluminum (%)	10.36-11.32	11.04
Total Solids (%)	38.6-42.2	40.4
Specific Gravity (25C)	Report	1.463


Javier Santos

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

44021
LSA LOAD 2
Robert ROMINE

RECEIVED
APR 06 2021
BY: --- 29

From: **Thatcher Company, Inc.**
At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



ORDER DATE	B/L NO
3/17/2021	1537955
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	1401551		SHIP VIA		FREIGHT		SALES AGENT		OPERATOR		
	S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		Carrier		Prepaid		JWZ		ShaylaB		
	S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		Destination		Ordered By		HAB				
Ship Date	Delivery Date	WHS									
4/4/2021	4/6/2021	SL01									
CUSTOMER PO NUMBER											
TBD											

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
1	BULK CARGO TANK	X	UN1819, Sodium aluminate, solution, 8, PGII Sodium Aluminate, 39% Solids, Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:		41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/6 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron			Carrier offered required placards carrier BY:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.			Emergency response guide present carrier BY:
BY: _____ (Carrier)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____	Security Load Pick
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		COD Amt: \$ 0.00 Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		CUSTOMER B1537955	Printed: 3/17/2021 3:18:30 PM by ShaylaB

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85398
Weighed on a Fairbanks Scale

In: 4/4/2021 11:44 AM
Out: 4/4/2021 12:43 PM

BOL/PO# : 1537955
Tractor and Trailer(s) :
Notes : Sodium Aluminate
Carrier : ACTION

Gross : 76220
Tare : 32160
Net : 44060

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 4, 2021
Lot Number: 21-03661
BOL Number: 1537955

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	Cloudy
Na ₂ O Assay (%)	19.05-20.81	19.50
Al ₂ O ₃ Assay (%)	19.59-21.39	20.85
Aluminum (%)	10.36-11.32	11.04
Total Solids (%)	38.6-42.2	40.4
Specific Gravity (25C)	Report	1.463


Javier Santos

Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587

4721
LSA LOAD 1
PARK



ORDER DATE	B/L NO
3/17/2021	1537956
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC O 735 S 56th Street, Ste 2 L Lincoln, NE 68510 D 402-430-0352 T O		S HAB Aquatic Solutions, LLC H Black Lake I 7121 Fairview Rd. SW P Olympia, WA 98512 T O 402-430-0352
1401551			

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/5/2021	4/7/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 <div style="text-align: right;"> </div> <p style="text-align: right;">Total Weights: 41475 Lbs 41475 Lbs</p> <p>MUST DELIVER 4/7 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>	41475	41475 Lbs	41475 Lbs	

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading.		Notes:	
BY: _____ (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Emergency response guide present carrier BY:	
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.		Security Load Pick	
BY: _____ (Customer) DATE: _____		Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms		Printed: 3/17/2021 3:18:54 PM by ShaylaB	



THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85416
Weighed on a Fairbanks Scale

In: 4/5/2021 09:23 AM
Out: 4/5/2021 11:20 AM

BOL/PO# : 1537956
Tractor and Trailer(s) :
Notes : SOD ALUMINATE
Carrier : ACTION RESOURCES

Gross : 78220
Tare : 32080
Net : 46140

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 5, 2021
Lot Number: 21-03661
BOL Number: 1537956

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	19.50
Al ₂ O ₃ Assay (%)	19.59-21.39	20.85
Aluminum (%)	10.36-11.32	11.04
Total Solids (%)	38.6-42.2	40.4
Specific Gravity (25C)	Report	1.463

Scott Catron
Thatcher Company
Authorized Signature

STRAIGHT BILL OF LADING

From: **Thatcher Company, Inc.**

At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



RECEIVED
APR 07 2021

ORDER DATE	B/L NO
3/17/2021	1537957
Internal Use Only	

**** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: CCN 22106 ****

CUST NO	S HAB Aquatic Solutions, LLC		S HAB Aquatic Solutions, LLC	
1401551	O 735 S 56th Street, Ste 2		H Black Lake	
	D Lincoln, NE 68510		P 7121 Fairview Rd. SW	
	T 402-430-0352		O Olympia, WA 98512	
	O 402-430-0352			

Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/5/2021	4/7/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER						ORDERED BY	
TBD						HAB	

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,Al2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150 	41475	41475 Lbs	41475 Lbs	
Total Weights:						41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/7 AT 12:00 PM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs)	TARE: (lbs)	NET: (lbs)	Carrier approves load securement carrier BY:
7492	3147	4345	BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S Catron		Pallets IN:	Pallets OUT:
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading		Notes:	
BY: <i>[Signature]</i> (Carrier)		Trailer Numbers	# of Hoses Needed Beyond Assigned
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		Emergency response guide present carrier BY: <i>[Signature]</i>	
(Signature of Consignor)		COD Amt: \$	0.00
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms.		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	
BY: _____ (Customer) DATE: _____		CUSTOMER	
		B1537957	
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Security Load Pick
			Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85467
Weighed on a Fairbanks Scale

In: 4/6/2021 07:49 AM
Out: 4/6/2021 09:13 AM

BOL/PO# : 1537957
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCES

Gross : 75920
Tare : 31840
Net : 44080

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 6, 2021
Lot Number: 21-03300
BOL Number: 1537957

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	19.93
Al ₂ O ₃ Assay (%)	19.59-21.39	20.45
Aluminum (%)	10.36-11.32	10.82
Total Solids (%)	38.6-42.2	40.4
Specific Gravity (25C)	Report	1.486

Karen Greenig

Thatcher Company
Authorized Signature

1545

STRAIGHT BILL OF LADING

From: Thatcher Company, Inc.
At: 1905 Fortune Road
Salt Lake City UT 84104
Phone: 801-972-4587



RECEIVED
APR 07 2021

ORDER DATE	B/L NO.
3/17/2021	1537958
Internal Use Only	

** CHEMICAL EMERGENCY CONTACT: CHEMTREC DAY OR NIGHT 800-424-9300 CUST NO: GCN 22106 **

CUST NO.	1401551		S HAB Aquatic Solutions, LLC 735 S 56th Street, Ste 2 Lincoln, NE 68510 402-430-0352		S HAB Aquatic Solutions, LLC Black Lake 7121 Fairview Rd. SW Olympia, WA 98512 402-430-0352		
Ship Date	Delivery Date	WHS	SHIP VIA	FREIGHT	FOB REMARK	SALES AGENT	OPERATOR
4/6/2021	4/8/2021	SL01	Carrier	Prepaid	Destination	JWZ	ShaylaB
CUSTOMER PO NUMBER				ORDERED BY			
TBD				HAB			

Quantity Shipped	TYPE OF CONTAINER	HM	DESCRIPTION	QUANTITY ORDERED	NET WEIGHT	GROSS WEIGHT	FRTC LS
	1 BULK CARGO TANK	X	UN1819,Sodium aluminate, solution,8, PGII Sodium Aluminate, 39% Solids,AI2O3: 20.1 % Na2O: 19.3 % 41475 BULK Product Code: 1901150	41475	41475 Lbs	41475 Lbs	
				Total Weights:		41475 Lbs	41475 Lbs
<p>MUST DELIVER 4/8 AT 7:00 AM</p> <p>DO NOT SHIP UNDERWEIGHT</p> <p>COA REQUIRED</p> <p>Temperatures of the product can not exceed 130 degrees at time of unload. The storage tanks are polymer and can not exceed these temperatures.</p> <p>HAB will have someone at each site to assist with unloading.</p>							

GROSS: (lbs) 46,880	TARE: (lbs) 33,650	NET: (lbs) 13,230	Carrier approves load securement carrier BY: <i>[Signature]</i>
I hereby certify that the above materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation. Shipper BY: S. Catron		Pallets IN: _____ Pallets OUT: _____	Carrier offered required placards carrier BY: <i>[Signature]</i>
Carrier certifies that vessel supplied for this shipment is suitable for the transportation of each commodity named hereon and has been properly washed prior to loading. BY: _____ (Carrier)		Notes: _____	Emergency response guide present carrier BY: <i>[Signature]</i>
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)		Trailer Numbers: _____ # of Hoses Needed Beyond Assigned: _____	Security Load Pick
Receiver states that product matches receiver's order and is in good condition. Acceptance of delivery is acceptance of attached contract terms. BY: _____ (Customer) DATE: _____		Right Hoses Assigned to Trailer? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivered BY: _____ DATE: _____ TIME IN: _____ AM/PM TIME OUT: _____ AM/PM
COD Amt: \$ 0.00		Remit COD payment, and send freight bill with copy of B/L to: Thatcher Company Box 27407 Salt Lake City, UT 84127	OFFICE B1537958
All product sales and deliveries are subject to Terms and Conditions found at www.tchem.com/terms			Printed 3/17/2021 3:19:36 PM by ShaylaB

THATCHER COMPANY, INC. - Main
Truck Scale Ticket



Ticket # 85476
Weighed on a Fairbanks Scale

In: 4/6/2021 08:58 AM
Out: 4/6/2021 10:32 AM

BOL/PO# : 1537958
Tractor and Trailer(s) :
Notes : SODIUM ALUMINATE
Carrier : ACTION RESOURCE

Gross : 46880
Tare : 33650
Net : 13230

*Keyed Weigh In

Copy Distribution: 1 - Dispatch 2 - Control 3 - Customer 4 - Office



THATCHER COMPANY
P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
(801) 972-4587 PHONE
(801) 972-4606 FAX



CERTIFICATE OF ANALYSIS

Sodium Aluminate 39% Solids

This is to certify that the listed shipment of Sodium Aluminate 39% Solids was assayed with the following results:

Customer: HAB Aquatic
Date: April 6, 2021
Lot Number: 21-03301
BOL Number: 1537958

Parameter	Specification	Result
Appearance	Hazy, Yellow to Brown Liquid	pass
Na ₂ O Assay (%)	19.05-20.81	20.22
Al ₂ O ₃ Assay (%)	19.59-21.39	21.26
Aluminum (%)	10.36-11.32	11.25
Total Solids (%)	38.6-42.2	41.5
Specific Gravity (25C)	Report	1.495

Scott Catron
Thatcher Company
Authorized Signature

APPENDIX B

Laboratory Reports



IEH ANALYTICAL LABORATORIES

LABORATORY & CONSULTING SERVICES

3927 AURORA AVENUE NORTH, SEATTLE, WA 98103

PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1722156	PAGE 1
REPORT DATE:	04/28/21	
DATE SAMPLED:	03/22/21	DATE RECEIVED: 03/23/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM HERRERA ENVIRONMENTAL		

Four water samples were delivered to the laboratory in good condition. The samples were analyzed according to the chain of custody. No difficulties were encountered in the preparation or analysis of these samples. Sample data follows while QA/QC data is contained on subsequent pages.

SAMPLE DATA CONVENTIONALS

SAMPLE ID	TOTAL-P (mg/L)	SRP (mg/L)	DISSOLVED ALUMINUM (mg/L)	SULFATE (mg/L)	DOC (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
BL-North-EPI	0.050	0.002	0.009	3.61	3.21	10	1.6
BL-North-Hypo	0.020	0.002	0.010	3.28	3.16	13	2.1
BL-South-EPI	0.017	0.002	0.013	3.79	3.56	11	1.3
BL-South-Hypo	0.019	0.002	0.010	3.17	3.49	9.5	0.5

SAMPLE ID	HARDNESS (mgCaCO3/L)
BL-North-EPI	18.2
BL-North-Hypo	18.0
BL-South-EPI	18.8
BL-South-Hypo	18.8



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
 3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
 PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1722156	PAGE 2
REPORT DATE:	04/28/21	
DATE SAMPLED:	03/22/21	DATE RECEIVED: 03/23/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM HERRERA ENVIRONMENTAL		

QA/QC DATA

QC PARAMETER	TOTAL-P (mg/L)	SRP (mg/L)	DISSOLVED ALUMINUM (mg/L)	SULFATE (mg/L)	DOC (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
METHOD	SM18 4500PF	SM18 4500PF	EPA 200.8	EPA 375.4	SM205310B	SM1810200H	SM1810200H
DATE ANALYZED	03/29/21	03/24/21	03/29/21	03/25/21	04/05/21	03/26/21	03/26/21
DETECTION LIMIT	0.002	0.001	0.003	1.00	0.250	0.1	0.1
DUPLICATE							
SAMPLE ID	BATCH	BATCH	BATCH	BATCH	BATCH	BATCH	BATCH
ORIGINAL	0.015	<0.001	0.009	143	2.16	49	4.0
DUPLICATE	0.015	<0.001	0.010	142	2.18	45	3.5
RPD	0.10%	NC	10.53%	1.07%	1.06%	9.52%	14.29%
SPIKE SAMPLE							
SAMPLE ID	BATCH	BATCH	BATCH	BATCH	BATCH		
ORIGINAL	0.015	<0.001	0.009	143	2.16		
SPIKED SAMPLE	0.067	0.021	0.519	152	6.13		
SPIKE ADDED	0.050	0.020	0.500	10.0	4.50		
% RECOVERY	104.14%	105.00%	102.00%	84.66%	88.38%	NA	NA
QC CHECK							
FOUND	0.102	0.041	0.495	10.1	3.71		
TRUE	0.094	0.039	0.500	10.0	4.00		
% RECOVERY	108.51%	105.13%	99.00%	101.00%	92.75%	NA	NA
BLANK							
	<0.002	<0.001	<0.003	<1.00	<0.250	NA	NA

RPD = RELATIVE PERCENT DIFFERENCE.
 NA = NOT APPLICABLE OR NOT AVAILABLE.
 NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
 OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1722156	PAGE 3
REPORT DATE:	04/28/21	
DATE SAMPLED:	03/22/21	DATE RECEIVED: 03/23/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM HERRERA ENVIRONMENTAL		

QA/QC DATA

QC PARAMETER	HARDNESS (mgCaCO ₃ /L)
METHOD	SM18 2340C
DATE ANALYZED	03/25/21
DETECTION LIMIT	2.00
DUPLICATE	
SAMPLE ID	BATCH
ORIGINAL	65.2
DUPLICATE	65.5
RPD	0.32%
SPIKE SAMPLE	
SAMPLE ID	BATCH
ORIGINAL	65.2
SPIKED SAMPLE	104
SPIKE ADDED	40.0
% RECOVERY	95.80%
QC CHECK	
FOUND	38.5
TRUE	40.0
% RECOVERY	96.25%
BLANK	<2.00

RPD = RELATIVE PERCENT DIFFERENCE.
NA = NOT APPLICABLE OR NOT AVAILABLE.
NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

SUBMITTED BY:

Damien Gadomski
Project Manager



2200 Sixth Avenue | Suite 1100
 Seattle, Washington | 98121
 p 206 441 9080 | f 206 441 9108

Chain of Custody Record

1722156

Project Name: Black Lake 2021 Alum Treatment Monitoring		Project Number: 15-06161-003		Client: Herrera Environmental			Analyses Requested													
Report To: Drew Stang				Page: 1/1			Dissolved Aluminum	Total Hardness	Dissolved Organic Carbon	Sulfate	Soluble Reactive Phosphorus	Total Phosphorus	Chlorophyll-a							
Sampled By: Drew Stang				Delivery Method:																
Laboratory: IEH		Requested Completion Date:		Total No. of Containers:																
Lab Use:		Sample ID (ex. BL-South-yyyymmdd-HH:MM)	Date	Time	Sample Type (see codes)	Sample Method (see codes)	Matrix (see codes)													
		BL-North-Epi	3/22/21	16:15	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	66229
		BL-North-Hypo	3/22/21	16:15	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	66230
		BL-South-Epi	3/22/21	16:45	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	66231
		BL-South-Hypo	3/22/21	15:45	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	66232
Comments/Special Instructions:																				
Relinquished by (Name/CO/) Drew Stang				Signature <i>Drew Stang</i>		Date/Time 3/23/21 11:05		Received By (Name/CO) <i>[Signature]</i>				Signature		Date/Time 3-23-21						

Sample Type: PES= Primary Environmental Sample FSS= field duplicate sample Sample Method: GRB-A= Grab Automatic GRB-M= Grab Manual Matrix Codes: GW=Groundwater SE=Sediment SW=Surface
 Water W=Water (blanks) M=Material O=Other (specify)

Sergio Sanchez
3-23-21 10:50
4 SAMPLES AS US 3.802
TOTY





IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER: 1722665 PAGE 1
REPORT DATE: 04/28/21
DATE SAMPLED: 04/09/21 DATE RECEIVED: 04/09/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER
SAMPLES FROM HERRERA ENVIRONMENTAL

Four water samples were delivered to the laboratory in good condition. The samples were analyzed according to the chain of custody. No difficulties were encountered in the preparation or analysis of these samples. Sample data follows while QA/QC data is contained on subsequent pages.

SAMPLE DATA CONVENTIONALS

SAMPLE ID	TOTAL-P (mg/L)	SRP (mg/L)	DISSOLVED ALUMINUM (mg/L)	SULFATE (mg/L)	DOC (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
BL-North-Epi	0.008	<0.001	0.108	20.6	1.96	2.7	3.3
BL-North-Hypo	0.013	<0.001	0.084	20.4	2.01	2.1	3.1
BL-South-Epi	0.008	<0.001	0.072	23.3	2.23	2.1	2.7
BL-South-Hypo	0.009	<0.001	0.066	23.1	1.69	2.1	3.1

SAMPLE ID	HARDNESS (mgCaCO3/L)
BL-North-Epi	27.1
BL-North-Hypo	26.9
BL-South-Epi	27.1
BL-South-Hypo	27.1



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
 3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
 PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1722665	PAGE 2
REPORT DATE:	04/28/21	
DATE SAMPLED:	04/09/21	DATE RECEIVED: 04/09/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM HERRERA ENVIRONMENTAL		

QA/QC DATA

QC PARAMETER	TOTAL-P (mg/L)	SRP (mg/L)	DISSOLVED ALUMINUM (mg/L)	SULFATE (mg/L)	DOC (mg/L)	CHLOR _a (ug/L)	PHAEO _a (ug/L)
METHOD	SM18 4500PF	SM18 4500PF	EPA 200.8	EPA 375.4	SM205310B	SM1810200H	SM1810200H
DATE ANALYZED	04/15/21	04/09/21	04/13/21	04/15/21	04/22/21	04/19/21	04/19/21
DETECTION LIMIT	0.002	0.001	0.003	1.00	0.250	0.1	0.1
DUPLICATE							
SAMPLE ID	BATCH	BL-South-Hypo	BATCH	BL-South-Hypo	BATCH	BATCH	BATCH
ORIGINAL	0.114	<0.001	0.014	23.1	0.871	2.9	5.5
DUPLICATE	0.114	<0.001	0.015	23.2	0.892	2.9	5.3
RPD	0.09%	NC	6.90%	0.42%	2.43%	0.00%	3.47%
SPIKE SAMPLE							
SAMPLE ID	BATCH	BL-South-Hypo	BATCH	BL-South-Hypo	BATCH		
ORIGINAL	0.114	<0.001	0.014	23.1	0.871		
SPIKED SAMPLE	0.167	0.021	0.468	33.1	5.10		
SPIKE ADDED	0.050	0.020	0.500	10.0	4.50		
% RECOVERY	105.53%	105.00%	90.80%	99.70%	93.94%	NA	NA
QC CHECK							
FOUND	0.101	0.039	0.460	10.1	3.99		
TRUE	0.094	0.039	0.500	10.0	4.00		
% RECOVERY	107.45%	100.00%	92.00%	101.00%	99.75%	NA	NA
BLANK							
	<0.002	<0.001	<0.003	<1.00	<0.250	NA	NA

RPD = RELATIVE PERCENT DIFFERENCE.
 NA = NOT APPLICABLE OR NOT AVAILABLE.
 NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
 OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER: 1722665 PAGE 3
REPORT DATE: 04/28/21
DATE SAMPLED: 04/09/21 DATE RECEIVED: 04/09/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER
SAMPLES FROM HERRERA ENVIRONMENTAL

QA/QC DATA

QC PARAMETER	HARDNESS (mgCaCO ₃ /L)
METHOD	SM18 2340C
DATE ANALYZED	04/12/21
DETECTION LIMIT	2.00
DUPLICATE	
SAMPLE ID	BL-South-Hypo
ORIGINAL	27.1
DUPLICATE	26.9
RPD	0.77%
SPIKE SAMPLE	
SAMPLE ID	BL-South-Hypo
ORIGINAL	27.1
SPIKED SAMPLE	48.1
SPIKE ADDED	20.0
% RECOVERY	104.60%
QC CHECK	
FOUND	42.1
TRUE	40.0
% RECOVERY	105.25%
BLANK	<2.00

RPD = RELATIVE PERCENT DIFFERENCE.
NA = NOT APPLICABLE OR NOT AVAILABLE.
NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

SUBMITTED BY:

Damien Gadomski
Project Manager



HERRERA

2200 Sixth Avenue | Suite 1100
Seattle, Washington | 98121
p 206 441 9080 | f 206 441 9108

Chain of Custody Record

1722665

Project Name: Black Lake 2021 Alum Treatment Monitoring		Project Number: 15-06161-003		Client: Herrera Environmental		Analyses Requested																
Report To: Drew Stang				Page: 1/1		Dissolved Aluminum	Total Hardness	Dissolved Organic Carbon	Sulfate	Soluble Reactive Phosphorus	Total Phosphorus	Chlorophyll-a										
Sampled By: Drew Stang				Delivery Method:																		
Laboratory: IEH			Requested Completion Date:		Total No. of Containers:																	
Lab Use:						Sample Type (see codes)	Sample Method (see codes)	Matrix (see codes)														
Sample ID (ex. BL-South-yyyyymmdd-HH:MM)		Date	Time																			
BL-North-Epi		4/9/21	11:45	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	67560
BL-North-Hypo		4/9/21	11:45	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	67561
BL-South-Epi		4/9/21	11:30	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	67562
BL-South-Hypo		4/9/21	11:30	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	67563
Comments/Special Instructions:																						
Relinquished by (Name/CO/Signature) Drew Stang				Signature <i>[Signature]</i>		Date/Time		Received By (Name/CO)				Signature		Date/Time								

Sample Type: PES= Primary Environmental Sample FSS= field duplicate sample Sample Method: GRB-A= Grab Automatic GRB-M= Grab Manual Matrix Codes: GW=Groundwater SE=Sediment SW=Surface Water W=Water (blanks) M=Material O=Other (specify)

Scrub Sanction
4-9-21 2:45
4 SAMPLES AS CS 10.9°C
T-074



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER: 1722969 PAGE 1
REPORT DATE: 05/05/21
DATE SAMPLED: 04/22/21 DATE RECEIVED: 04/22/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER
SAMPLES FROM HERRERA ENVIRONMENTAL

Four water samples were delivered to the laboratory in good condition. The samples were analyzed according to the chain of custody. No difficulties were encountered in the preparation or analysis of these samples. Sample data follows while QA/QC data is contained on subsequent pages.

SAMPLE DATA CONVENTIONALS

SAMPLE ID	TOTAL-P (mg/L)	SRP (mg/L)	DISSOLVED ALUMINUM (mg/L)	SULFATE (mg/L)	DOC (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
BL-North-Epi	0.010	<0.001	0.115	22.3	1.82	2.7	2.2
BL-North-Hypo	0.011	<0.001	0.081	22.3	1.75	2.7	2.6
BL-South-Epi	0.010	<0.001	0.110	21.0	2.03	3.2	1.7
BL-South-Hypo	0.012	<0.001	0.079	23.1	1.67	2.7	2.6

SAMPLE ID	HARDNESS (mgCaCO3/L)
BL-North-Epi	29.0
BL-North-Hypo	30.4
BL-South-Epi	29.2
BL-South-Hypo	28.4



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
 3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
 PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER:	1722969	PAGE 2
REPORT DATE:	05/05/21	
DATE SAMPLED:	04/22/21	DATE RECEIVED: 04/22/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER		
SAMPLES FROM HERRERA ENVIRONMENTAL		

QA/QC DATA

QC PARAMETER	TOTAL-P (mg/L)	SRP (mg/L)	DISSOLVED ALUMINUM (mg/L)	SULFATE (mg/L)	DOC (mg/L)	CHLOR_a (ug/L)	PHAEO_a (ug/L)
METHOD	SM18 4500PF	SM18 4500PF	EPA 200.8	EPA 375.4	SM205310B	SM1810200H	SM1810200H
DATE ANALYZED	04/27/21	04/23/21	05/05/21	04/29/21	04/26/21	04/28/21	04/28/21
DETECTION LIMIT	0.002	0.001	0.003	1.00	0.250	0.1	0.1
DUPLICATE							
SAMPLE ID	BATCH	BL-South-Hypo	BL-North-Epi	BL-South-Hypo	BATCH	BATCH	BATCH
ORIGINAL	0.007	<0.001	0.115	23.1	0.402	1.8	2.0
DUPLICATE	0.007	<0.001	0.128	23.2	0.415	1.5	1.8
RPD	0.48%	NC	10.70%	0.52%	3.23%	18.18%	6.25%
SPIKE SAMPLE							
SAMPLE ID	BATCH	BL-South-Hypo	BL-North-Epi	BL-South-Hypo	BATCH		
ORIGINAL	0.007	<0.001	0.115	23.1	0.402		
SPIKED SAMPLE	0.064	0.020	0.612	33.1	4.45		
SPIKE ADDED	0.050	0.020	0.500	10.0	4.50		
% RECOVERY	113.11%	100.00%	99.40%	100.11%	89.87%	NA	NA
QC CHECK							
FOUND	0.095	0.039	0.524	10.0	4.03		
TRUE	0.094	0.039	0.500	10.0	4.00		
% RECOVERY	101.06%	100.00%	104.80%	100.00%	100.75%	NA	NA
BLANK	<0.002	<0.001	<0.003	<1.00	<0.250	NA	NA

RPD = RELATIVE PERCENT DIFFERENCE.
 NA = NOT APPLICABLE OR NOT AVAILABLE.
 NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
 OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.



IEH ANALYTICAL LABORATORIES
LABORATORY & CONSULTING SERVICES
3927 AURORA AVENUE NORTH, SEATTLE, WA 98103
PHONE: (206) 632-2715 FAX: (206) 632-2417

CASE FILE NUMBER: 1722969 **PAGE 3**
REPORT DATE: 05/05/21
DATE SAMPLED: 04/22/21 **DATE RECEIVED:** 04/22/21
FINAL REPORT, LABORATORY ANALYSIS OF SELECTED PARAMETERS ON WATER
SAMPLES FROM HERRERA ENVIRONMENTAL

QA/QC DATA

QC PARAMETER	HARDNESS (mgCaCO ₃ /L)
METHOD	SM18 2340C
DATE ANALYZED	04/24/21
DETECTION LIMIT	2.00
DUPLICATE	
SAMPLE ID	BL-South-Hypo
ORIGINAL	28.4
DUPLICATE	29.0
RPD	2.17%
SPIKE SAMPLE	
SAMPLE ID	BL-South-Hypo
ORIGINAL	28.4
SPIKED SAMPLE	51.0
SPIKE ADDED	20.0
% RECOVERY	112.89%
QC CHECK	
FOUND	43.5
TRUE	40.0
% RECOVERY	108.75%
BLANK	<2.00

RPD = RELATIVE PERCENT DIFFERENCE.
NA = NOT APPLICABLE OR NOT AVAILABLE.
NC = NOT CALCULABLE DUE TO ONE OR MORE VALUES BEING BELOW THE DETECTION LIMIT.
OR = RECOVERY NOT CALCULABLE DUE TO SPIKE SAMPLE OUT OF RANGE OR SPIKE TOO LOW RELATIVE TO SAMPLE CONCENTRATION.

SUBMITTED BY:

Damien Gadomski
Project Manager



2200 Sixth Avenue | Suite 1100
 Seattle, Washington | 98121
 p 206 441 9080 | f 206 441 9108

Chain of Custody Record

1722969

Project Name: Black Lake 2021 Alum Treatment Monitoring		Project Number: 15-06161-003		Client: Herrera Environmental			Analyses Requested															
Report To: Drew Stang				Page: 1/1			Dissolved Aluminum	Total Hardness	Dissolved Organic Carbon	Sulfate	Soluble Reactive Phosphorus	Total Phosphorus	Chlorophyll-a									
Sampled By: Drew Stang				Delivery Method:																		
Laboratory: IEH				Requested Completion Date:			Total No. of Containers:															
Lab Use:				Sample Type (see codes)	Sample Method (see codes)	Matrix (see codes)																
Sample ID (ex: BL-South-yyyymmdd-HH:MM)				Date	Time																	
BL-North-Epi				68493	4/22/21	10:45	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	68493
BL-North-Hypo				68494	4/22/21	10:50	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	68494
BL-South-Epi				68495	4/22/21	10:05	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	68495
BL-South-Hypo				68496	4/22/21	10:10	PES	GRB-M	SW	X	X	X	X	X	X	X	X	X	X	X	X	68496
Comments/Special Instructions:																						
Relinquished by (Name/CO/Signature) Drew Stang				Signature Drew Stang		Date/Time 4/22/21 3:10		Received By (Name/CO)				Signature Sergio Sanchez		Date/Time 4-22-21 3:10								

Sample Type: PES= Primary Environmental Sample FSS= field duplicate sample Sample Method: GRB-A= Grab Automatic GRB-M= Grab Manual Matrix Codes: GW=Groundwater SE=Sediment SW=Surface Water W=Water (blanks) M=Material O=Other (specify)

Sergio Sanchez
 4-22-21 3:10
 4 samples AS 18 9.502
 T-074

Rob Zisette

From: aidan.winant@iehinc.com
Sent: Tuesday, July 13, 2021 3:20 PM
To: Rob Zisette
Subject: Aluminum
Attachments: 1722969coc.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Hi Rob,

I just spoke to Troy Stang on the phone, and he said you were looking for this Aluminum data – please see below.

Sample ID	Total Aluminum (mg/L)
1722969-68493	0.82
1722969-68494	0.85
1722969-68495	0.80
1722969-68496	0.98

Best Regards,

Aidan Winant
IEH Analytical Laboratories
3927 Aurora Ave N
Seattle, WA 98103
206 632 2715

--

NOTE: Samples are retained for a minimum of two weeks from date of report. Records are retained for at least 26 months.

NOTICE: This communication is intended ONLY for the use of the person or entity named above and may contain information that is confidential or legally privileged. If you are not the intended recipient, YOU ARE HEREBY NOTIFIED that any use, distribution or copying of this communication or any of the information contained in it is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and then destroy or delete this communication, or return it to us by mail if requested by us. Thank you for your attention and cooperation.

