



Analytical Laboratories, Inc.

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

<http://www.analyticallaboratories.com>

Date Report Printed: 8/6/2019

Attn: HAROLD FINCH
ICE LESS, LLC
9 ARTIST VIEW LANE
PO BOX 793
BLAIRSTOWN, NJ 07825

Collected By:

Submitted By:

Source of Sample:

30/70

Time of Collection:

Date of Collection:

Date Received: 7/15/2019

Report Date: 8/6/2019

Field pH: Lab pH:

Field Temp: Temp Recd in Lab:

PWS:

Laboratory Analysis Report

Sample Number: 1934066

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
% Solid Passing #10 Sieve		> 99.0	%		PNS	7/23/2019	JH
100 percent passing the #10 sieve. Freezer temperature = 0 °F (-17.8 °C).							
Arsenic, As	< 1.0		mg/L	1.0	EPA 200.7	7/29/2019	JMS
Barium, Ba	11.7		mg/L	0.5	EPA 200.7	7/29/2019	JMS
Cadmium, Cd	< 0.05		mg/L	0.05	EPA 200.7	7/29/2019	JMS
Calcium Chloride	13.1		% wt		PNS	7/23/2019	JMS
Chromium, Cr	< 0.5		mg/L	0.5	EPA 200.7	7/29/2019	JMS
Copper, Cu	0.7		mg/L	0.1	EPA 200.7	7/29/2019	JMS
Corrosion Rate, 3 Day, TSI Coupons	3.2		%		NACE PNS	7/19/2019	JH
Freezer Settleable Solids	< 1.0		%	1.0	PNS	7/23/2019	JH
There was no visible settleable material in a dark brown one liter sample. There was no density layer felt at any level. Freezer temperature = 0 °F (-17.8 °C).							
Freezing Point Specific Gravity Chart	*				ASTM	8/5/2019	JD
Lead, Pb	< 0.5		mg/L	0.5	EPA 200.7	7/29/2019	JMS
Magnesium, Mg	0.72		% wt	0.01	EPA 200.7	7/18/2019	JMS
Mg as MgCl ₂ = 2.80 % wt							
Mercury, Hg	< 0.02		mg/L	0.02	EPA 245.1	7/16/2019	JD
Metals Digestion	*				EPA 3050	7/16/2019	JD

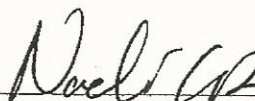
MCL = Maximum Contamination Level
MDL = Method/Minimum Detection Limit
UR = Unregulated

Laboratory Analysis Report

Sample Number: 1934066

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Potassium, K		0.67	% wt	0.01	EPA 200.7	7/18/2019	JMS
K as KCl = 1.28 % wt							
Selenium, Se	<	1.0	mg/L	1.0	EPA 200.7	7/29/2019	JMS
Specific Gravity		1.2609			ASTM D 1429	7/24/2019	JD
Zinc, Zn		2.0	mg/L	0.1	EPA 200.7	7/29/2019	JMS
Total Phosphate (as P)		49	mg/L	5	EPA 365.4	7/16/2019	DS
Chloride, Cl		13.3	% wt	1.0	EPA 300.0	7/19/2019	NC
Cyanide, Total	<	0.05	mg/L	0.05	EPA 335.4	8/2/2019	DS
pH, Deicer 1 + 4		4.6	S.U.		ASTM D1293	7/25/2019	TG

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James Hibbs

Thank you for choosing Analytical Laboratories for your testing needs.
If you have any questions concerning this report,
please contact your client manager:

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ICE LESS, LLC**Source: 30/70****Analytical Lab Sample Number: 1934066**

Percentages of Original Sample	Specific Gravity (g/mL)	Freezing Point (°C)	Freezing Point (°F)
5%	1.0145	-0.5	31.1
10%	1.0288	-1	30.2
15%	1.0428	-2	28.4
20%	1.0568	-3	26.6
25%	1.0704	-4	24.8
30%	1.0837	-5.5	22.1
35%	1.0977	-6.5	20.3
40%	1.1110	-7.5	18.5
45%	1.1244	-9	15.8
50%	1.1369	-10	14
55%	1.1493	-11.5	11.3
60%	1.1622	-13.5	7.7
65%	1.1757	-15	5
70%	1.1883	-17	1.4
75%	1.2017	-19	-2.2
80%	1.2124	-21	-5.8
85%	1.2253	-23.5	-10.3
90%	1.2367	-26.5	-15.7
95%	1.2498	-29	-20.2
100%	1.2609	-31.5	-24.7

Thank you for choosing Analytical Laboratories for your testing needs.

If you have any questions about this report, or any future analytical
needs, please contact: James Hibbs

ICE LESS, LLC -1934066 30/70

