



# Analytical Laboratories, Inc.

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

<http://www.analyticallaboratories.com>

Date Report Printed: 5/15/2018

Attn: JEFFREY JOHNSON  
MILLENNIUM ROADS, LLC  
12118 E. YATES CENTER ROAD  
LYNDONVILLE, NY 14098

Collected By:  
Submitted By: USPS

Source of Sample:  
30/70

Time of Collection:

Date of Collection:

Date Received: 3/31/2018

Report Date: 5/15/2018

Field pH: Lab pH:

Field Temp: Temp Recd in Lab:

PWS:

## Laboratory Analysis Report

Sample Number: 1813742

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
% Solid Passing #10 Sieve		> 99.0	%		PNS	4/9/2018	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	4/9/2018	JMS
Barium, Ba	8.9		mg/L	0.5	EPA 200.7	5/15/2018	JMS
Cadmium, Cd	< 0.05		mg/L	0.05	EPA 200.7	4/9/2018	JMS
Calcium Chloride	13.1		% wt		PNS	4/18/2018	JMS
Chromium, Cr	< 0.5		mg/L	0.5	EPA 200.7	4/9/2018	JMS
Copper, Cu	0.4		mg/L	0.1	EPA 200.7	4/9/2018	JMS
Corrosion Rate, 3 Day, TSI Coupons	3.4		%		NACE PNS	4/6/2018	JH
Freezer Settleable Solids	< 1.0		%	1.0	PNS	4/9/2018	JH
There was no visible settleable material in a dark brown one liter sample. There was no density layer felt at any level.							
Freezing Point Specific Gravity Chart	*				ASTM	4/25/2018	JD
Lead, Pb	< 0.5		mg/L	0.5	EPA 200.7	4/9/2018	JMS
Magnesium, Mg	7,160		mg/kg	100	EPA 200.7	4/5/2018	JMS
Mg as MgCl <sub>2</sub> = 2.80 % wt							
Mercury, Hg	< 0.02		mg/L	0.02	EPA 245.1	4/6/2018	JD
Metals Digestion	*				EPA 3050	4/2/2018	JD

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

Email: [jeffreyjon@juno.com](mailto:jeffreyjon@juno.com)

# Laboratory Analysis Report

Sample Number: 1813742

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Potassium, K		6,780	mg/kg	100	EPA 200.7	4/5/2018	JMS
K as KCl = 1.29 % wt							
Selenium, Se	<	1.0	mg/L	1.0	EPA 200.7	4/9/2018	JMS
Specific Gravity		1.2593			ASTM D 1429	4/4/2018	JD
Zinc, Zn		1.8	mg/L	0.1	EPA 200.7	4/9/2018	JMS
Total Phosphate (as P)		57	mg/L	10	EPA 365.4	4/4/2018	DS
Chloride, Cl		14.4	% wt	1.0	EPA 300.0	4/10/2018	NC
Cyanide, Total	<	0.05	mg/L	0.05	EPA 335.4	4/24/2018	DS
pH, Deicer 1 + 4		4.7	S.U.		ASTM D1293	4/3/2018	JH

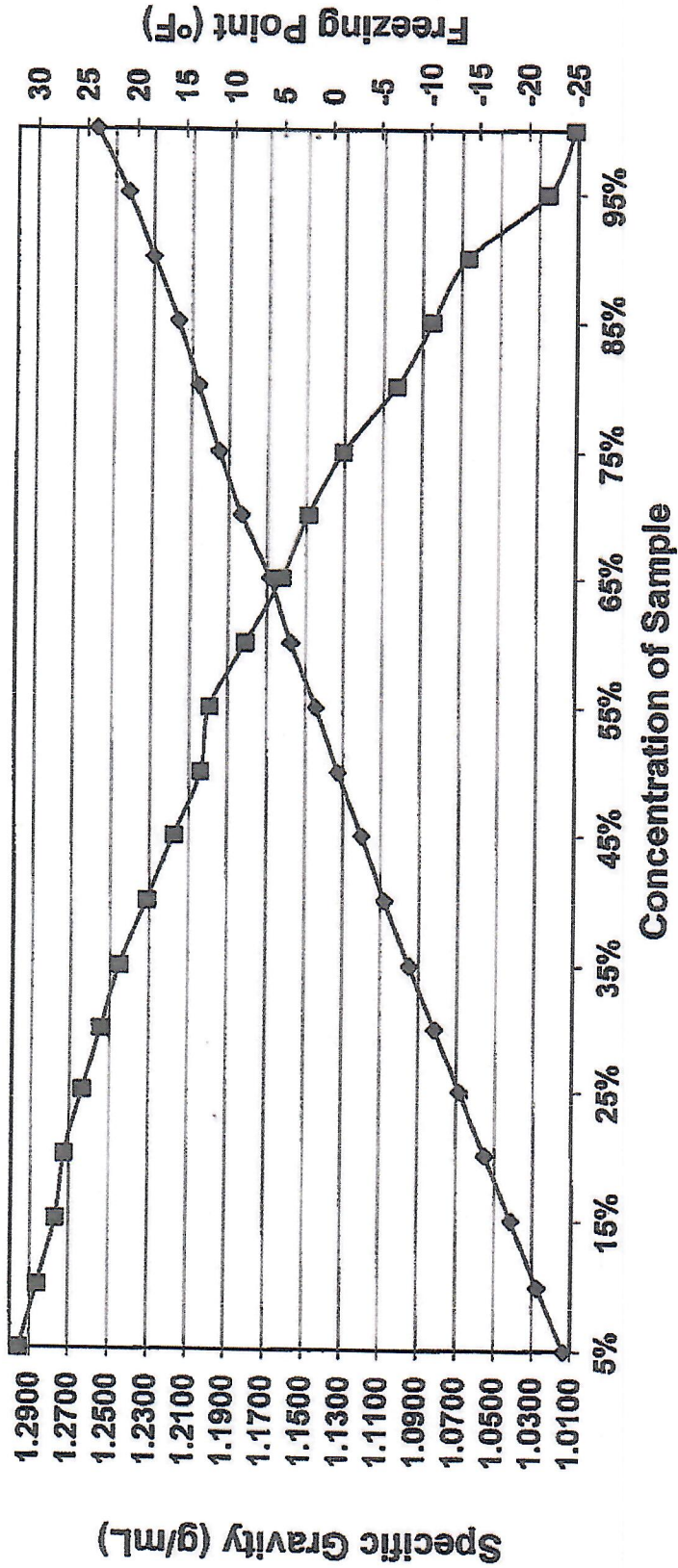
MCL = Maximum Contamination Level  
MDL = Method/Minimum Detection Limit  
UR = Unregulated

Email: jeffreyjon@juno.com

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.

# Millenium Roads - 1813742 Source: 30/70







**Analytical Laboratories, Inc.**  
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**Millenium Roads**  
**Source: 30/70**  
**Analytical Lab Sample Number:1813742**

Percentage of Sample	Percentage of CaCl <sub>2</sub>	Specific Gravity (g/mL)	Freezing Point (°C)	Freezing Point (°F)
5%	0.7%	1.0150	-0.5	31.1
10%	1.3%	1.0300	-1.5	29.3
15%	2.0%	1.0441	-2.5	27.5
20%	2.6%	1.0582	-3	26.6
25%	3.2%	1.0725	-4	24.8
30%	3.9%	1.0863	-5	23
35%	4.6%	1.1000	-6	21.2
40%	5.2%	1.1136	-7.5	18.5
45%	5.9%	1.1267	-9	15.8
50%	6.6%	1.1408	-10.5	13.1
55%	7.2%	1.1532	-11	12.2
60%	7.9%	1.1666	-13	8.6
65%	8.5%	1.1803	-15	5
70%	9.2%	1.1932	-16.5	2.3
75%	9.8%	1.2062	-18.5	-1.3
80%	10.5%	1.2186	-21.5	-6.7
85%	11.1%	1.2323	-23.5	-10.3
90%	11.8%	1.2412	-25.5	-13.9
95%	12.4%	1.2557	-30	-22
100%	13.1%	1.2593	-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