

Product Technical Specification Sheet

Product Name: PROMELT ESSENTIAL BRINE PLUS

Physical Characteristics:

No.	Properties	Test Method	Typical Values	Specification	
				min	max
1	Appearance	-	Clear	-	-
2	pH, deicer 1+4	ASTM D-1293	7.7	6.0	9.0
3	Specific Gravity (15°C 60°F)	ASTM D-1429	1.220	1.210	1.230
4	Weight (lbs./gal)	ASTM D-1429	10.17	10.09	10.26
5	Freeze Point Temperature	PNS	-24°C -11.0°F	-	-
6	% Freezer Settable Solids	PNS	<1.0	0.0	1.0
7	% Solids Passing #10 Sieve	PNS	>99.0	99.0	100.0
8	Total Dissolved Solids	-	22.69	20.99	24.79

Chemical Characteristics:

No.	Properties	Test Method	Typical Values	Specification	
				min	max
9	% Magnesium Chloride	PNS	14.82	13.82	15.82
10	% Calcium Chloride	PNS	3.89	3.39	4.39
11	% Total Chloride (Mg ⁺ Ca ⁺)	PNS	18.71	17.21	20.21
12	% Sodium Chloride	PNS	0.31	0.0	0.80
13	% Potassium Chloride	PNS	0.15	0.0	0.40
14	Arsenic (ppm)	EPA 200.7	<1.0	0.0	5.0
15	Barium (ppm)	EPA 200.7	7.3	0.0	100.0
16	Cadmium (ppm)	EPA 200.7	<0.05	0.0	0.2
17	Chromium (ppm)	EPA 200.7	<0.5	0.0	1.0
18	Copper (ppm)	EPA 200.7	<0.1	0.0	1.0
19	Cyanide (ppm)	EPA 335.4	<0.05	0.0	0.2
20	Lead (ppm)	EPA 200.7	<0.5	0.0	1.0
21	Mercury (ppm)	EPA 245.1	<0.02	0.0	0.05
22	Selenium (ppm)	EPA 200.7	<1.0	0.0	5.0
23	Zinc (ppm)	EPA 200.7	0.1	0.0	10.0
24	Phosphorus (ppm)	EPA 365.4	<5.0	0.0	2500.0