



Product Technical Specification Sheet

Product Name: Magic C

Physical Characteristics:

No.	Properties	Test Method	Typical Values	Specification	
				min	max
1	Appearance	-	Brown	-	-
2	pH, deicer 1+4	ASTM D-1293	4.83	3.0	6.0
3	Specific Gravity (15°C 60°F)	ASTM D-1429	1.315	1.305	1.325
4	Weight (lbs./gal)	ASTM D-1429	10.97	10.89	11.06
5	Freeze Point Temperature	PNS	-42°C -44°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	-	40.0	39.0	41.0
9	Corrosion % effectiveness	NACE PNS	9.8	-	<30.0

Chemical Characteristics:

No.	Properties	Test Method	Typical Values	Specification	
				min	Max
10	% Magnesium Chloride	PNS	-	0.0	1.0
11	% Sodium Chloride	PNS	-	0.0	1.0
12	% Calcium Chloride	PNS	24.0	23.0	25.0
13	% Potassium Chloride	PNS	-	0.0	1.0
14	Arsenic (ppm)	EPA 200.7	<1.0	0.0	5.0
15	Barium (ppm)	EPA 200.7	<0.5	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	1.3	0.0	4.0
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	15.9	0.0	2500.0

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Magic C
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