

**SOFTOUCH™ WATER SOFTENER**
**MURIATE OF POTASH**

Grade Code: CWIC

**TYPICAL CHEMICAL ANALYSIS**

Component/Equivalent	Symbol	Unit	Typical	Guaranteed
Potassium Chloride	KCl	%	99.75	
Potassium Oxide	K <sub>2</sub> O	%	63.00	62.95 Minimum
Sodium Chloride	NaCl	%	0.10 - 0.20	0.2 Maximum
Moisture	H <sub>2</sub> O	%	0.05	
Bromide	Br <sup>-</sup>	ppm	50 - 100	
Calcium	Ca	ppm	10 - 30	
Cobalt	Co	ppm	<0.1	
Copper	Cu	ppm	<0.1	
Iron	Fe	ppm	1 - 5	
Lead	Pb	ppm	<1.0	
Magnesium	Mg	ppm	5 - 15	
Nickel	Ni	ppm	<0.1	
Potassium	K	%	52.30	
Silica	SiO <sub>2</sub>	ppm	10 - 20	
Sodium	Na	%	0.06	
Sulfate	SO <sub>4</sub>	ppm	5 - 20	
Water Insolubles		ppm	40 - 80	

**REAGENTS**

Reagent	Unit	Typical	Range
Anticake Amine	ppm	nil	
De-dust oil	ppm	nil	

**PARTICLE SIZE DISTRIBUTION**

Tyler Mesh	US Mesh	mm Mesh	Typical Cumulative %	Typical Range %
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Greater than 95%: -1 inch to +6 Tyler Mesh
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**PHYSICAL PROPERTIES**

Parameter	Unit	Typical/Range
Bulk density	lb/cu ft	67
	kg/m <sup>3</sup>	1073
Angle of repose	degrees	36
Specific gravity	g/cm <sup>3</sup>	1.94

< signifies "less than" the stated detection limit

Typical results are based on product expectations at load port

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To the best of

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