



**CRYSTAL GRANULAR  
MURIATE OF POTASH**

Grade Code: CGRN

**TYPICAL CHEMICAL ANALYSIS**

<i>Component/Equivalent</i>	<i>Symbol</i>	<i>Unit</i>	<i>Typical</i>	<i>Guaranteed</i>
Potassium Chloride	KCl	%	96.7	
Potassium Oxide	K <sub>2</sub> O	%	61.1	60 Minimum
Sodium Chloride	NaCl	%	2.7	
Moisture	H <sub>2</sub> O	%	0.02	
Calcium (water soluble)	Ca	%	0.02	
Chloride	Cl <sup>-</sup>	%	47.6	
Magnesium (water soluble)	Mg	%	0.02	
Potassium	K	%	50.7	
Sodium	Na	%	1.1	
Sulfate	SO <sub>4</sub>	%	0.04	
Water Insolubles		%	0.31	

**PARTICLE SIZE DISTRIBUTION (SGN 245 - 300; UI 38 - 50)**

	<i>Tyler Mesh</i>	<i>US Mesh</i>	<i>mm Mesh</i>	<i>Typical Cumulative %</i>	<i>Typical Range %</i>
Retained on . . .	4	4	4.750	0.5	0 - 3
	5	5	4.000	7	3 - 15
	6	6	3.350	24	15 - 40
	7	7	2.800	43	30 - 60
	8	8	2.360	66	55 - 80
	9	10	2.000	85	75 - 95
	10	12	1.700	95	90 - 100
	12	14	1.400	99	95 - 100
	14	16	1.180	99.1	98 - 100
	20	20	0.850	99.6	99 - 100
Passing through	20	20	0.850	0.4	0 - 1

**PHYSICAL PROPERTIES**

<i>Parameter</i>	<i>Unit</i>	<i>Typical/Range</i>
Bulk density	lb/cu ft	66
	kg/m <sup>3</sup>	1057
Angle of repose	degrees	41

*Typical results are based on product expectations at load port.*

*< signifies "less than" the stated detection limit.*

*To the best of Canpotex's knowledge and belief, the information contained herein is accurate and reliable. The analysis values listed as 'Typical' in the above specifications are average values compiled from composite sample analysis and should not be considered a guaranteed specification, unless otherwise noted.*

**Revised August 2022**