

Source: Saskatchewan

Alternate Names: Potassium Chloride, KCl, Potash, MOP

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CHEMICAL ANALYSIS	UNIT	RANGE	TYPICAL	GUARANTEE
Potassium Chloride, as KCl	%	99.65 - 99.80	99.75	62.95 K ₂ O min.
Chloride, as Cl	%		47.53	
Sodium, as Na	% (ppm)	0.04 - 0.08	0.06 (600)	
Sodium Chloride, as NaCl	% (ppm)	0.1 - 0.2	0.15 (1500)	0.2 max.
Moisture, as H ₂ O	ppm	400 - 800	500	
Insolubles in Water	ppm	30 - 100	50	
Magnesium, as Mg	ppm	5 - 15	8	
Calcium, as Ca	ppm	10 - 30	15	
Iron, as Fe	ppm	2 - 6	4	
Lead, as Pb	ppm	0.3 - 1.0	0.6	
Silicon, as Si	ppm	2 - 8	5	
Fluoride, as F	ppm	0.1 - 1.0	0.2	
Bromide, as Br	ppm	50 - 150	100	
Sulfate, as SO ₄	ppm	20 - 70	50	
Arsenic, as As	ppm	Below detection limits	<0.2	
Cobalt, as Co	ppm	0.001 - 0.003	0.002	
Nickel, as Ni	ppm	0.020 - 0.060	0.030	
Vanadium, as V	ppm	0.001 - 0.005	0.003	
Molybdenum, as Mo	ppm	0.002 - 0.006	0.003	
Copper, as Cu	ppm	0.020 - 0.100	0.030	
Cadmium, as Cd	ppm	Below detection limits	<0.003	
Titanium, as Ti	ppm	0.010 - 0.040	0.030	

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PARTICLE SIZE, PERCENT CUMULATIVE				
TYLER MESH	OPENING	UNIT	RANGE	TYPICAL
+28	0.60 mm	%	0 - 5	3
+35	0.42 mm	%	2 - 20	14
+48	0.30 mm	%	20 - 65	45
+65	0.21 mm	%	60 - 85	75
+100	0.15 mm	%	75 - 95	90
+150	0.10 mm	%	90 - 99	95

PHYSICAL PROPERTIES		
Bulk Density	kg/m ³	1,122
	lb/ft ³	70
Angle of Repose	degrees	30°
Size Guide Number (SGN)		28
Color		Off-White

PRODUCT TREATMENT REAGENTS			
TYPE	UNIT	RANGE	TYPICAL
Anticaking (Residual)	ppm	150 - 200	180
Dedusting	%	0	None