



**WHITE STANDARD**  
**MURIATE OF POTASH**

Grade Code: WSTD

**TYPICAL CHEMICAL ANALYSIS**

<i>Component/Equivalent</i>	<i>Symbol</i>	<i>Unit</i>	<i>Typical</i>	<i>Guaranteed</i>
Potassium Chloride	KCl	%	98.8	
Potassium Oxide	K <sub>2</sub> O	%	62.4	62 Minimum
Sodium Chloride	NaCl	%	1.0	
Moisture	H <sub>2</sub> O	%	0.1	
Ammonia as N	NH <sub>4</sub>	ppm	<2	
Bromide	Br <sup>-</sup>	ppm	195	
Calcium	Ca	ppm	40	
Chloride	Cl <sup>-</sup>	%	47.6	
Iron	Fe	ppm	<5.0	
Magnesium	Mg	ppm	70	
Potassium	K	%	51.8	
Sodium	Na	%	0.4	
Sulfate	SO <sub>4</sub>	ppm	90	
Water Insolubles		ppm	110	

**PARTICLE SIZE DISTRIBUTION (SGN 50)**

	<i>Tyler</i>	<i>US</i>	<i>mm</i>	<i>Typical</i>	<i>Typical</i>
	<i>Mesh</i>	<i>Mesh</i>	<i>Mesh</i>	<i>Cumulative %</i>	<i>Range %</i>
Retained on . . .	10	12	1.700	9	0 - 25
	14	16	1.180	20	10 - 50
	20	20	0.850	31	15 - 65
	28	30	0.600	42	25 - 80
	35	40	0.425	59	40 - 90
	48	50	0.300	82	60 - 95
	65	70	0.212	94	75 - 100
Passing through	65	70	0.212	6	0 - 25

**PHYSICAL PROPERTIES**

<i>Parameter</i>	<i>Unit</i>	<i>Typical</i>
Bulk density	lb/cu ft	78
	kg/m <sup>3</sup>	1249
Angle of repose	degrees	32

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

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

*To the best of*

**Revised July 2024**