



PRODUCT DATA SHEET - SPECIALTY FERTILIZERS

POTASSIUM SULFATE	Soluble Grade - Crystallized CAS N° 7778 - 80 - 5
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GENERAL DESCRIPTION	
CHEMICAL FORMULA	K ₂ SO ₄
APPEARANCE	White Crystalline Powder
INTERNAL CODE	SOP-S

CHEMICAL SPECIFICATIONS			
GUARANTEED			
POTASSIUM	K ₂ O	%	51 min
SULFATE	SO ₄	%	54 min
CHLORIDE	Cl	%	1.0 max

CHEMICAL SPECIFICATIONS			
TYPICAL			
POTASSIUM	K ₂ O	%	52
MAGNESIUM	MgO	%	0.4
CALCIUM	Ca	%	0.1
INSOLUBLES		%	0.2
WEIGHT LOSS	(1 hr @ 60°C)	%	0.14
	(1 hr @ 100°C)	%	0.36

SCREEN ANALYSIS			
TYPICAL			
SIZE GUIDE NUMBER (SGN)			23
US Standard Sieve	Tyler	Microns	
+40	+35	420	15%
-200	-200	74	7%

Note: Measured at plant site. Particle size can be affected by handling and transportation

PHYSICAL PROPERTIES	
SOLUBILITY (in water at 20°C)	11.1 g/100 cm ³
DENSITY (Bulk)	1.21 ton (metric) /m ³
ANGLE OF REPOSE	39°

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