



BIG QUILL RESOURCES INC

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SOP-17IX

CHEMICAL COMPOSITION	UNIT	TYPICAL	SPECIFICATION
Potassium Sulphate (K ₂ S ₀ ₄)	%	99.75	99.60 Min.
K ₂ O Equivalent	%	53.95	
Potassium (K)	%	44.79	
Sulphate (S ₀ ₄)	%	55.02	
Total Chloride (Cl)	%	0.02	0.05 Max.
Sodium (Na)	%	0.03	
Sulphur (S)	%	18.32	
Magnesium (Mg)	%	0 .01	
Calcium (Ca)	%	0.03	
Water (H ₂ 0)	%	0.04	
pH - in water, 5% solution	%	7.00	
Insolubles – in water	%	0.02	0.05 Max.

PARTICLE SIZE

<u>Tyler Standard</u>	<u>US Standard</u>	<u>Screen Opening</u>	<u>Typical % Cum Retained</u>	<u>Range % Cum Retained</u>
+35	+40	0.425 mm	0	0
+48	+50	0.300 mm	15	5 - 30
+65	+70	0.212 mm	40	25 - 60
+100	+100	0.150 mm	65	50 - 75
+150	+140	0.106 mm	80	70 - 90
+200	+200	0.075 mm	90	80 - 95

PHYSICAL PROPERTIES

Color		Off-White (with pink cast)
Bulk Density	kg/m ³	1442 1281 – 1681
	lb/ft ³	90 80 – 105
Solubility	@ 20° C	11.1 gm K ₂ S ₀ ₄ /100gm H ₂ 0

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