



# BIG QUILL RESOURCES INC

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## SOP-30GL

CHEMICAL COMPOSITION	UNIT	TYPICAL	RANGE
Potassium Sulphate (K <sub>2</sub> S <sub>0</sub> <sub>4</sub> )	%	96.00	95 - 99
K <sub>2</sub> O Equivalent	%	51.91	51.37 – 53.53
Potassium (K)	%	43.10	42.65 – 44.45
Sulphate (S <sub>0</sub> <sub>4</sub> )	%	54.99	54.95 – 56.12
Total Chloride (Cl)	%	0.20	0.05 – 0.50
Sodium (Na)	%	1.00	0.50 – 1.25
Sulphur (S)	%	18.33	18.13 – 18.52
Magnesium (Mg)	%	0 .01	
Calcium (Ca)	%	0.08	
Water (H <sub>2</sub> 0)	%	0.05	0.02 – 0.15
pH - in water, 5% solution	%	7.00	7.0 – 9.0
Insolubles – in water	%	0.30	0.20 – 0.40

### PARTICLE SIZE

<u>U.S. Standard</u>	<u>Screen Opening</u>	<u>Typical %</u>	<u>Range %</u>
+40	0.425 mm	20%	10% - 30%
+50	0.300 mm	45%	35% - 60%
+70	0.212 mm	65%	55% - 75%
+100	0.150 mm	80%	70% - 90%
+140	0.106 mm	85%	80% - 90%
+200	0.075 mm	95%	90% - 97%
SGN		30	

### PHYSICAL PROPERTIES

Color		Brown	
Bulk Density	kg/m <sup>3</sup>	1442	1281-1681
	lb/ft <sup>3</sup>	90	80 – 105
Solubility	@ 20° C	11.1 gms K <sub>2</sub> S <sub>0</sub> <sub>4</sub> /100gm H <sub>2</sub> 0	

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