SULFATE OF POTASH
STANDARD FINES/INDUSTRIAL FINES
0-0-50 SOP
(Typical SGN 20, Typical UI 12)

Great Salt Lake Minerals Corporation
A Compass Minerals Company

Particle Size Distribution				
Tyler Mesh	**US Mesh**	**Opening** (mm)	**Typical Range** (% cum)	**Typical** (% cum)
48	50	0.30	10-80	37
65	70	0.212	20-90	60
100	100	0.15	30-95	70
150	140	0.106	50-98	84

Physical Properties	
	Typical
Bulk Density, loose	
• lb/cu foot	96
• kg/cu meter	1550
Angle of Repose	35°
Solubility	
0.8 lb/gal	55°F (13°C)
0.9 lb/gal	66°F (19°C)
1.0 lb/gal	77°F (25°C)

Chemical Analysis			
Component	**Symbol**	**Typical** (%)	**Guarantee** (%)
Potassium Oxide Equivalent (Soluble Potash)	K_2O	52.3	50.0 min.
Potassium Sulfate	K_2SO_4	96.7	92.5 min.
Sulfur	S	17.8	17.0 min.
Sulfate	SO_4	53.3	
Chloride	Cl	0.4	0.8 max.
Magnesium	Mg	0.4	
Moisture (105°C)	H_2O	0.1	
pH (5% Solution)	pH	8.0	
Water Insolubles	---	0.8	

Product analyses are typical. Handling and transportation may affect the analysis of the delivered product.

STANDARD FINES SOP is used for N-P-K ammoniation, N-P-K granulation, and direct field application. It is also used to produce suspensions and to prepare solutions that will either be decanted or filtered.

INDUSTRIAL FINES SOP is sugar-fine crystalline SOP used in gypsum wallboard, fire brick, water softening, well drilling, lubrication, and ceramics.

SOP STANDARD FINES / INDUSTRIAL FINES are produced naturally near Ogden, Utah and available in 50 pound bags, 2,000 pound bags, and bulk via truck & rail. Great Salt Minerals Corporation does not use animal manure or any form of waste in the production of SOP.

7/08