

## SOP-220GR Sulfate of Potash 0-0-50

### Product Data Sheet

#### Product Description

- Potassium sulfate produced by granulation
- Non-GMO
- No known allergens
- Not susceptible to microbiological activity

#### Admixture

- Binder (starch)
- De-dust oil

#### Physical Properties

- Bulk Density: 1152 kg/m<sup>3</sup> or 72 lb/ft<sup>3</sup>
- Average particle size: 2.30 mm or 0.0905"
- Color: Beige and/or grey
- Potassium sulfate has indefinite shelf life (i.e. no fixed or definable expectancy), with regard to purity, when stored in a dry and ventilated area, away from heat, sources of moisture, and direct sunlight.

#### Production Location

- Wynyard, Saskatchewan, Canada



*Typical and specification are based on the previous year's historical data:*

Chemical Analysis				
Constituent	Formula	Unit	Typical	Specification
Potassium Sulfate	K <sub>2</sub> SO <sub>4</sub>	%	94.66	92.50 min
Potassium Oxide (equivalent)	K <sub>2</sub> O	%	51.41	50.00 min
Potassium	K	%	42.67	41.50 min
Total Sulfate	SO <sub>4</sub>	%	53.24	52.50 min
Sulfur	S	%	17.77	17.00 min
Chlorine	Cl	%	0.15	0.50 max
Sodium	Na	%	0.52	1.25 max
Moisture	H <sub>2</sub> O	%	0.10	0.15 max
pH, 5.0% solution in water at 25 °C	--	--	7.90	6.00 – 9.00
Magnesium	Mg	%	0.01	
Calcium	Ca	%	0.05	
Iron	Fe	%	0.01	

Typical Screen Data					
US Mesh	Tyler Mesh	Opening		Retained %	Specification
		mm	in		
7	7	2.800	0.1102	6.1	0 - 15
8	8	2.360	0.0929	45.5	5 - 55
10	9	2.000	0.0787	73.5	50 - 90
12	10	1.700	0.0669	97.1	85 - 99
14	12	1.400	0.0551	99.3	95 - 100
18	16	1.000	0.0394	99.4	98 - 100
Pan				100.0	

**Method of Analysis:** American Society for Testing and Materials E534 and E11 Procedures. All other testing is based on Compass Minerals' internal quality control procedures.

Packaging		
Product Code	Type (lb)	Unit(s) per Pallet (Pallet dimensions: 42" x 42" x 5", L x W x H)
2371112	Tote (2500), oiled	1
2928492	Tote (2500), unoiled	1
2371091	Bulk (oiled)	NA
2645937	Bulk (unoiled)	NA