

## SOP-40IX Sulfate of Potash 0-0-53

### Product Data Sheet

#### Product Description

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

#### Admixture

- No additives

#### Physical Properties

- Bulk Density: 1650 kg/m<sup>3</sup> or 103 lb/ft<sup>3</sup>
- Average particle size: 0.579 mm or 0.0228"
- Color: Pale orange
- 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>	%	99.47	99.30 min
Potassium Oxide (equivalent)	K <sub>2</sub> O	%	53.90	53.00 min
Potassium	K	%	44.74	44.50 min
Total Sulfate	SO <sub>4</sub>	%	54.97	54.50 min
Sulfur	S	%	18.35	18.00 min
Chlorine	Cl	%	0.04	0.05 max
Sodium	Na	%	0.08	
Moisture	H <sub>2</sub> O	%	0.05	0.15 max
Insoluble fraction, in water	--	%	0.05	0.10 max
pH, 5.0% solution in water at 25 °C	--	--	7.40	6.00 - 9.00
Magnesium	Mg	%	0.01	
Calcium	Ca	%	0.02	
Iron	Fe	%	0.01	

Typical Screen Data					
US Mesh	Tyler Mesh	Opening		Retained %	Specification
		mm	in		
25	24	0.710	0.0280	23.1	0 - 35
30	28	0.600	0.0236	44.5	20 - 55
40	35	0.425	0.0167	91.4	50 - 95
50	48	0.300	0.0118	99.3	90 - 100
100	100	0.150	0.0059	99.8	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)
2663959	Tote (2204)	1
2680193	Bulk	NA