

SOP-145IX 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: 1680 kg/m³ or 105 lb/ft³
- Average particle size: 1.692 mm or 0.0666"
- 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 ₂ SO ₄	%	99.47	99.30 min
Potassium Oxide (equivalent)	K ₂ O	%	53.90	53.00 min
Potassium	K	%	44.74	44.50 min
Total Sulfate	SO ₄	%	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 ₂ 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		
8	8	2.360	0.0929	0.0	0 - 5
10	9	2.000	0.0787	10.9	0 - 25
12	10	1.700	0.0669	48.7	20 - 60
14	12	1.400	0.0551	96.4	55 - 100
16	14	1.180	0.0465	99.8	80 - 100
18	16	1.000	0.0394	99.9	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)
2265168	Tote (2204)	1
2265184	Tote (3150)	1
2265192	Bulk	NA