

SOP-17IX 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

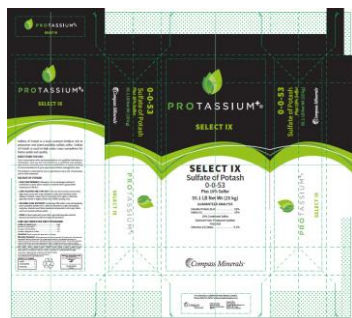
- No additives

Physical Properties

- Bulk Density: 1506 kg/m³ or 94 lb/ft³
- Average particle size: 0.139 mm or 0.0055"
- Color: Pink
- 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	%	99.34	99.30 min
Potassium Oxide (equivalent)	K ₂ O	%	53.83	53.00 min
Potassium	K	%	44.68	44.50 min
Total Sulfate	SO ₄	%	54.90	54.50 min
Sulfur	S	%	18.32	18.00 min
Chlorine	Cl	%	0.07	0.10 max
Sodium	Na	%	0.08	
Moisture	H ₂ O	%	0.05	0.15 max
Insoluble fraction, in water	--	%	0.18	0.25 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		
40	35	0.425	0.0167	4.0	0 - 5
50	48	0.300	0.0118	23.4	2 - 30
70	65	0.212	0.0083	37.5	25 - 55
100	100	0.150	0.0059	47.1	35 - 65
140	150	0.106	0.0042	58.7	45 - 75
200	200	0.075	0.0030	68.3	60 - 90
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)
2928491	Bag (55.11)	56
2265344	Tote (2204)	1
2265361	Tote (3150)	1