



Sulphate of Potash (SOP) - Standard

Chemical Product:	Potassium Sulphate
Chemical Formula:	K ₂ SO ₄
Appearance:	White; fine particles
Product Samples:	Samples available on request

Chemical Analysis¹

Component		(w%)
Potassium Sulphate ²	K ₂ SO ₄	96.0
Potassium Oxide	K ₂ O	52.0
Sodium Chloride ²	NaCl	<0.2
Chlorine	Cl	<0.1
Sulphate ²	SO ₄	55.0
Sulphur	S	18.5
Moisture	H ₂ O	0.3

Heavy Metals	(ppm)
Arsenic	< 1.0
Cadmium	< 1.0
Copper	< 1.0
Mercury	< 0.1
Lead	< 1.0

Granulometry¹ (AS 1289 3.6.3, 3.5.1)

Tyler Mesh	Opening (mm)	Passing (w%)
8	2.36	99.9
14	1.18	77.2
28	0.6	20.6
35	0.425	3.1
48	0.3	1.5
100	0.15	0.7
200	0.075	0.5

Physical Properties¹

Bulk Density (Loose)	ca. 1263 kg/m ³	(ASTM D7481)
Bulk Density (Packed)	ca. 1476 kg/m ³	(ASTM D7481)
Angle of repose	ca. 35.1°	(AS 2879.12)

¹ Analysis of pilot plant product samples exclusively manufactured from Colluli ore

² Equivalent