DANAKALI

Sulphate of Potash (SOP) - Standard

Chemical Product: Potassium Sulphate

Chemical Formula: K_2SO_4

Appearance: White; fine particles

Product Samples: Samples available on request

Chemical Analysis[1]

Component		(w%)
Potassium Sulphate[2]	K_2SO_4	96.0
Potassium Oxide	K_2O	52.0
Sodium Chloride[2]	NaCl	<0.2
Chlorine	Cl	<0.1
Sulphate[2]	SO_4	55.0
Sulphur	S	18.5
Moisture	H_2O	0.3

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

Granulometry[1] *(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 Properties[1]

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 ^{o}	*(AS 2879.12)*

[1] Analysis of pilot plant product samples exclusively manufactured from Colluli ore
[2] Equivalent

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