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Product Specification:

Slab Aluminium Sulphate

Parameter	Specification
Chemical Name	Aluminium Sulphate
Synonym	Slab Alum
Chemical Formula	$Al_2(SO_4)_3 \cdot nH_2O$
CAS Number	10043-01-3
Appearance	White Slab Solid
Solubility @ 15°C	410 g/kg Solution
Crystallization Point	-7°C (Solution of 42 g/kg Al)
Chemical Properties	Acidic Hydrated Salt
Aluminium Content	74 to 81.5 g Al/kg of Product
Alumina Content	14.0 to 15.5 as % Al_2O_3
Free Acid	-2.0 to 1.0 as % w/w H_2SO_4
Insoluble Matter	Less than 23g/kg Al (0.1%)
Iron	Less than 1.6 g/kg Al
Arsenic (As)	Less than 14.0 mg/kg Al
Cadmium (Cd)	Less than 3.0 mg/kg Al
Chromium (Cr)	Less than 30.0 mg/kg Al
Mercury (Hg)	Less than 4.0 mg/kg Al
Nickel (Ni)	Less than 20.0 mg/kg Al
Lead (Pb)	Less than 40.0 mg/kg Al
Antimony (Sb)	Less than 20.0 mg/kg Al
Selenium (Se)	Less than 20.0 mg/kg Al
This Specification conforms with the requirements of I.S.EN 878:2004 for Iron Free Type 1 grade of Aluminium Sulphate.	