



Aluminum Sulphate Co. of Egypt

شركة الشبة المصرية

Material Data Sheet (MDS)

Chemical name: Aluminum sulphate $Al_2(SO_4)_3 \cdot 14H_2O$

Other names: Solid Alum, Sulphate of Alumina , filtration alum.

Recommended use of the Chemical: Water treatment, Flocculent, pH control, Paper and Pulp manufacturing, Deodorizing agent, Fire retardant. Foam boosting, Dyes, Mordant.

Parameter	Value
Physical properties	
Appearance	Dry, off-White, faint yellow, faint grey.
Grain size	- powder - coarse grained up to 40 mm
Insoluble Residue, (w/w) %	0.3 % (max.)
Iron as (Fe ₂ O ₃), (w/w) %	0.01 % (max.)
Chemical properties	
Aluminum content (Active as (Al ₂ O ₃), (w/w)	17 % ±0.3 %
pH (solution with a concentration of 1%)	3.0
Toxic Substances	
Arsenic (As)	1 ppm (max.)
Lead (Pb)	1 ppm (max.)
Cadmium (Cd)	1.0 ppm (max.)
Mercury (Hg)	0.2 ppm (max.)

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