



Chemifloc Ltd.

Chemical Manufacturers.

Smithstown Industrial Estate, Shannon, Co. Clare, Ireland.

Telephone: +353 61 708699, Fax: +353 61 708698

e-mail: info@chemifloc.ie

Product Specification:

Slab Aluminium Sulphate

Manufactured by Chemifloc Ltd, Ireland. REACH Reg No. 01-2119531538-36

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	< 1.60 g/kg Al
Arsenic (As)	Less than 14 mg/kg Al
Cadmium (Cd)	Less than 3 mg/kg Al
Chromium (Cr)	Less than 30 mg/kg Al
Mercury (Hg)	Less than 4 mg/kg Al
Nickel (Ni)	Less than 20 mg/kg Al
Lead (Pb)	Less than 40 mg/kg Al
Antimony (Sb)	Less than 20 mg/kg Al
Selenium (Se)	Less than 20 mg/kg Al

This Specification conforms with the requirements of I.S.EN 878:2004 for Iron Free Grade Type 1 of Aluminium Sulphate.