



Chemifloc Ltd.

Chemical Manufacturers.

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Product Specification:

Liquid Aluminium Sulphate

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

Parameter	Specification
Chemical Name	Aluminium Sulphate
Synonym	Alum
Chemical Formula	$Al_2(SO_4)_3 \cdot nH_2O$
CAS Number	10043-01-3
Appearance	Colourless Clear Liquid
Density at 15°C	1.312 - 1.328
Solubility @ -1°C	44.7 g/kg Al
Crystallization Point	-7°C
Chemical Properties	Acidic Solution
Aluminium Content	41 to 43.6 g Al/kg of Product
Alumina Content	7.75 to 8.25 as % Al_2O_3
pH	0.5 to 2.5
Free Acid	-0.5 to 1.0 as % w/w H_2SO_4
Insoluble Matter	Less than 23g/kg Al (0.12%)
Iron	□□□ mg/kg Al □
Arsenic (As)	Less than □ 40 mg/kg Al □
Cadmium (Cd)	Less than □ mg/kg Al □
Chromium (Cr)	Less than □ mg/kg Al □
Mercury (Hg)	Less than □ mg/kg Al □
Nickel (Ni)	Less than □ mg/kg Al □
Lead (Pb)	Less than □ mg/kg Al □
Antimony (Sb)	Less than □ mg/kg Al □
Selenium (Se)	Less than □ 0 mg/kg Al □

This Specification conforms with the requirements of I.S.EN 878:2004 for Low Iron Type 2 grade of Aluminium Sulphate solution.