



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:

Chemifloc 103

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

Parameter	Specification
Chemical Name	Aluminium Sulphate
Synonym	Chemifloc 103
Chemical Formula	$Al_2(SO_4)_3 \cdot nH_2O \cdot nH_2SO_4$
CAS Number	10043-01-3
Appearance	Colourless Clear Liquid
Density at 15°C	1.270 - 1.310
Solubility @ -1°C	44.7 g/kg Al
Crystallization Point	-7°C
Chemical Properties	Acidic Solution
Aluminium Content	30 to 33g Al/kg of Product
Alumina Content	5.5 to 6.5 as % Al_2O_3
pH	0.1 to 1.0
Free Acid	+8.0 to 10.0 as % w/w H_2SO_4
Insoluble Matter	Less than 23g/kg Al (0.12%)
Iron	Less than 1.6 g/kg Al (86.0 mg/L)
Arsenic (As)	Less than 14.0 mg/kg Al (0.75 mg/L)
Cadmium (Cd)	Less than 3.0 mg/kg Al (0.16 mg/L)
Chromium (Cr)	Less than 30.0 mg/kg Al (1.6 mg/L)
Mercury (Hg)	Less than 4.0 mg/kg Al (0.21 mg/L)
Nickel (Ni)	Less than 20.0 mg/kg Al (1.08 mg/L)
Lead (Pb)	Less than 40.0 mg/kg Al (2.16 mg/L)
Antimony (Sb)	Less than 20.0 mg/kg Al (1.08 mg/L)
Selenium (Se)	Less than 20.0 mg/kg Al (1.08 mg/L)

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