



# Chemifloc Ltd.

Chemical Manufacturers.

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## Product Specification:

### Chemifloc 101

Manufactured by Chemifloc Ltd, Ireland. REACH Registration No. 01-2119531538-36 & 01-2119513202-59

Parameter	Specification
Chemical Name	Aluminium Iron (III) Sulphate
Synonym	Chemifloc 101, Aluminum & Iron Sulphate
Chemical Formula (n is variable and x > 0.70 and < 0.95)	$xAl_2(SO_4)_3 \cdot (1-x)Fe_2(SO_4)_3 \cdot nH_2O$
CAS Number	
- $Al_2(SO_4)_3$	10043-01-3
- $Fe_2(SO_4)_3$	10028-22-5
Appearance	Yellow to Brown Liquid
Density at 15°C	1.345 to 1.367
Crystallization Point	-13°C
Chemical Properties	Acidic Solution
Aluminium Content	Up to 40 g Al/kg of Product
Iron Content	Up to 32 g Fe/kg of Product
Free Acid	-1.0 to 1.0 as % w/w $H_2SO_4$
Insoluble Matter	Less than 25g/kg Al + Fe (0.1%)
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 60.0 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 887:2004 for Type 2 Aluminium Iron Sulphate solution.**