



Chemifloc Ltd.

Chemical Manufacturers.

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Product Specification:

Ferric Aluminium Sulphate Liquor (Wastewater Grade) Chemifloc 202

Parameter	Specification
Chemical Name	Aluminium Iron (III) Sulphate
Synonym	Chemifloc 02
Chemical Formula	$\text{Al}_2(\text{SO}_4)_3 \cdot \text{Fe}_2(\text{SO}_4)_3 \cdot n\text{H}_2\text{O}$
CAS Number	
- $\text{Al}_2(\text{SO}_4)_3$	10043-01-3
- $\text{Fe}_2(\text{SO}_4)_3$	10028-22-5
Appearance	Yellow to Brown Liquid
Density at 15°C	1.40 to 1.44
Crystallization Point	-10°C
Chemical Properties	Acidic Solution
Aluminium Content	Up to 30 g Al/kg of Product
Iron Content	Up to 50 g Fe/kg of Product
Gm Mole Kg ⁻¹	not less than 1.942 Fe ⁺⁺⁺ plus Al ⁺⁺⁺
Free Acid	-1.0 to 1.0 as % w/w H ₂ SO ₄
Insoluble Matter	Less than 0.05%
Arsenic (As)	less than 0.01 mg l ⁻¹
Cadmium (Cd)	less than 0.1 mg l ⁻¹
Chromium (Cr)	less than 0.75 mg l ⁻¹
Mercury (Hg)	less than 0.01 mg l ⁻¹
Nickel (Ni)	less than 5.0 mg l ⁻¹
Lead (Pb)	less than 2.0 mg l ⁻¹
Antimony (Sb)	less than 0.01 mg l ⁻¹
Selenium (Se)	less than 0.01 mg l ⁻¹
Manganese (Mn ²⁺)	less than 50.0 mg l ⁻¹ .
Copper (Cu)	less than 10.0 mg l ⁻¹ .
Calcium (Ca)	less than 10.0 mg l ⁻¹ .

This Specification conforms with the requirements of I.S.EN 887:2002 for Type 1 grade of Aluminium Iron Sulphate solution.