



Chemifloc Ltd.

Chemical Manufacturers.

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Product Specification:

Ferric Aluminium Sulphate Liquor Chemifloc 202

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

| 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 2 grade of Aluminium Iron Sulphate solution.