



# Chemifloc Ltd.

Chemical Manufacturers.

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## Product Specification:

### Ferric Sulphate (HA)

Parameter	Specification
Chemical Name	Iron (III) Sulphate
Synonym	Ferric Sulphate
Chemical Formula	$\text{Fe}_2(\text{SO}_4)_3 \cdot n\text{H}_2\text{O}$
CAS Number	10028-22-5
Appearance	Clear, Dark Brown Liquid
Density at 15°C	1.405 to 1.440
Crystallization Point	-10°C
Chemical Properties	Acidic Solution
Iron Sulphate Content	not less than 32.5% m/m of $\text{Fe}_2(\text{SO}_4)_3$
Iron Content	8.5 - 9.5% m/m Fe
Gm Mole $\text{Kg}^{-1}$ $\text{Fe}^{3+}$	not less than 1.65
Iron as $\text{Fe}^{2+}$	less than 3 g/kg
Free Acid	+2.8 to +3.8 as % w/w $\text{H}_2\text{SO}_4$
Insoluble Matter	Less than 0.05%
Arsenic (As)	less than 2.0 mg/kg Fe
Cadmium (Cd)	less than 1.0 mg/kg Fe
Chromium (Cr)	less than 6.0 mg/kg Fe
Mercury (Hg)	less than 0.1 mg/kg Fe
Nickel (Ni)	less than 40.0 mg/kg Fe
Lead (Pb)	less than 11.0 mg/kg Fe
Antimony (Sb)	less than 1.0 mg/kg Fe
Selenium (Se)	less than 7.0 mg/kg Fe
Manganese ( $\text{Mn}^{2+}$ )	less than 0.5% of % Fe

**This Specification conforms with the requirements of I.S.EN 890:2005 for Grade 1 Type 2 Iron (111) Sulphate solution.**