



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:

Ferric Sulphate 112

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

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
Iron Content	11.0 - 11.5 % as % w/w Fe
Specific Gravity @ 20°C	1.480 - 1.550
Free Acid	< 1.0 as % w/w H_2SO_4
Arsenic (As)	less than 20 mg/kg Fe^{3+}
Cadmium (Cd)	less than 25 mg/kg Fe^{3+}
Chromium (Cr)	less than 350 mg/kg Fe^{3+}
Mercury (Hg)	less than 5.0 mg/kg Fe^{3+}
Nickel (Ni)	less than 350 mg/kg Fe^{3+}
Lead (Pb)	less than 100 mg/kg Fe^{3+}
Antimony (Sb)	less than 20 mg/kg Fe^{3+}
Selenium (Se)	less than 20 mg/kg Fe^{3+}
Manganese (Mn^{2+})	less than 0.5% of % Fe^{3+}
Ferrous Iron	less than 2.5% of % Fe^{3+}
Insoluble Matter	less than 0.5% of % Fe
Freezing Point	-15°C

This Specification conforms with the requirements of I.S.EN 890:2012 for Grade 1 Type 2 Iron (111) Sulphate solution.