



# 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 140

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

Parameter	Specification
Chemical Name	Iron (III) Sulphate
Chemical Properties	Acidic Solution
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	13.4 -14.10 as % w/w Fe
Specific Gravity @ 20oC	1.550 - 1.630
Free Acid	< 1.0 as % w/w $\text{H}_2\text{SO}_4$
Arsenic (As)	less than 20 mg/kg $\text{Fe}^{3+}$
Cadmium (Cd)	less than 25 mg/kg $\text{Fe}^{3+}$
Chromium (Cr)	less than 350 mg/kg $\text{Fe}^{3+}$
Mercury (Hg)	less than 5.0 mg/kg $\text{Fe}^{3+}$
Nickel (Ni)	less than 350 mg/kg $\text{Fe}^{3+}$
Lead (Pb)	less than 100 mg/kg $\text{Fe}^{3+}$
Antimony (Sb)	less than 20 mg/kg $\text{Fe}^{3+}$
Selenium (Se)	less than 20 mg/kg $\text{Fe}^{3+}$
Manganese ( $\text{Mn}^{2+}$ )	less than 0.5% of % $\text{Fe}^{3+}$
Ferrous Iron	less than 2.5% of % $\text{Fe}^{3+}$
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.**