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Product Specification

Product Name: Ferrous Sulfate 7-hydrate LR

Product Name: Iron (II) Sulfate 7-hydrate

CAS No: 7782-63-0

Molecular Formula: FeSO₄.7H₂O

Molecular Weight: 278.02 g/mol

HS Code: 2833 29 50

Odour: Odourless

Appearance: Bluish-Green crystals
Density: 1.89 g/cm³ @20°C

Melting Point: >60° C (release of water of crystallization)

Storage: Store at temp below 40°C

<u>Sr No</u>	Test Parameter	<u>Value</u>
1.	Test Solution (5g in 50ml water + 1ml sulphuric acid)	Solution is clear and bluish-green
2.	pH of 5% solution	3.0 to 4.0
3.	Assay, as FeSO ₄ .7H ₂ O	99% min.
4.	Chloride, as Cl	0.005% max.
5.	Phosphate, as PO ₄	0.002% max.
6.	Copper, as Cu	0.002% max.
7.	Ferric ion, as Fe ⁺³	0.1% max. (Due to inherent oxidation, ferric ion (Fe+3) content may increase on storage)
8.	Heavy Metals, as Pb	0.001% max.
9.	Sodium, as Na	0.1% max.

Original Re-Release: July 2016 Amendment No: - Original

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