

## PHINE KEMIKALS INDIA

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## **Product Specification**

Product Name: Ammonium Ferrous Sulfate 6-hydrate LR

CAS No: 7783-85-9

Molecular Formula: (NH<sub>4</sub>)<sub>2</sub>Fe(SO<sub>4</sub>)<sub>2</sub>.6H<sub>2</sub>O

Molecular Weight: 392.14 g/mol HS Code: 2833 29 90 Odour: Odourless

Appearance: Pale Greenish solid fine crystals

Bulk density: ~820 kg/m³
Melting Point: 100° C

Storage: Store at temp below 40°C

<u>Sr No</u>	<u>Test Parameter</u>	<u>Value</u>
1.	Test Solution (5g in 50ml water + 1ml sulphuric acid)	Solution is clear and pale-greenish
2.	pH of 5% solution	NLT 3.50
3.	Assay, as (NH <sub>4</sub> ) <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> .6H <sub>2</sub> O	99% min.
4.	Chloride, as Cl	0.002% max.
5.	Copper, as Cu	0.002% max.
6.	Ferric ion, as Fe <sup>+3</sup>	0.03% max. (Due to inherent oxidation, ferric ion (Fe+3) content may increase on storage)
7.	Heavy Metals, as Pb	0.002% max.

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