

## PHINE KEMIKALS INDIA

Plot No. 1, 2, 3 & 90, GIDC Estate, Godhra 389001 Gujarat India Phone: +91-2672-262884 Email: info@phinekem.com Website: www.phinekem.com

## **Product Specification**

Product Name: Ammonium Ferrous Sulfate 6-hydrate AR

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

Pale Greenish solid fine crystals Appearance:

~820 kg/m<sup>3</sup> Bulk density: Melting Point: 100° C

Storage: Store at temp below 40°C

<u>Sr No</u>	Test Parameter	Value
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	99.0% min.
4.	Insoluble matter	0.003% max.
5.	Chloride, as Cl	0.001% max.
6.	Calcium, as Ca	0.01% max.
7.	Copper, as Cu	0.002% max.
8.	Ferric ion, as Fe <sup>+3</sup>	0.02% max. (Due to inherent oxidation, ferric ion (Fe+3) content may increase on storage)
9.	Heavy Metals, as Pb	0.002% max.
10.	Manganese, as Mn	0.05% max.
11.	Potassium, as K	0.01% max.
12.	Sodium, as Na	0.01% max.
13.	Zinc, as Zn	0.003% max.

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

Page 1 of 1