

PHINE KEMIKALS INDIA

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Product Specification

Product Name: Ammonium Ferric Sulfate 12-hydrate AR

CAS No: 7783-83-7

Molecular Formula: NH₄Fe(SO₄)₂.12H₂O

Molecular Weight: 482.19 g/mol HS Code: 2833 30 00 Odour: Odourless

Appearance: Pale violet solid irregular lumps and/or white fine crystals

Bulk density: ~750 kg/m³ Melting Point: 38°to 41°C

Storage: Store at temp below 30℃. Surface of material turns yellow at 35℃

Starts melting at 38℃

<u>Sr No</u>	Test Parameter	<u>Value</u>
1.	Test Solution (10% w/v solution in water)	Solution is clear and yellowish-brown
2.	Assay, as NH ₄ Fe(SO ₄) ₂ .12H ₂ O	99% min.
3.	pH of 5% solution	2.0 to 5.0
4.	Chloride, as Cl	0.0003% max.
5.	Calcium, as Ca	0.002% max.
6.	Copper, as Cu	0.001% max.
7.	Ferrous ion, as Fe+2	0.001% max.
8.	Heavy Metals, as Pb	0.002% max.
9.	Magnesium, as Mg	0.001% max.
10.	Nitrogen, as N	0.001% max.
11.	Potassium, as K	0.002% max
12.	Sodium, as Na	0.002% max.
13.	Zinc, as Zn	0.001% max.

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

Page 1 of 1