

PHINE KEMIKALS INDIA

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Product Specification

Product Name: Ammonium Ferric Sulfate 12-hydrate ACS

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°C. Surface of material turns yellow at 35°C

Starts melting at 38°C

<u>Sr No</u>	<u>Test Parameter</u>	Value
1.	Test Solution (5g in 50ml water)	Solution is bright clear and yellowish-brown
2.	Assay, as NH ₄ Fe(SO ₄) ₂ .12H ₂ O	98.5 – 102.0% min.
3.	Insoluble content	0.01% max.
4.	Chloride, as Cl	0.001% max.
5.	Nitrate, as NO ₃	0.01% max.
6.	Calcium, as Ca	0.01% max.
7.	Copper, as Cu	0.003% max.
8.	Ferrous ion, as Fe+2	0.001% max.
9.	Magnesium, as Mg	0.005% max.
10.	Potassium, as K	0.005% max
11.	Sodium, as Na	0.02% max.
12.	Zinc, as Zn	0.003% max.

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