

PHINE KEMIKALS INDIA

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Product Specification

Product Name: Aluminium Ammonium Sulfate 12-hydrate AR

CAS No: 7784-26-1

Alternate Name: Ammonia Alum

Molecular Formula: AlNH₄(SO₄)₂.12H₂O

Molecular Weight: 453.33 g/mol HS Code: 2833 30 10 Odour: Odourless

Appearance: Solid crystals and/or crystalline powder

Density: 1.64 g/cm³

Bulk density: $\sim 700 - 800 \text{ kg/m}^3$

Melting Point: ~93°C (release of water of crystallization)

Storage: Without limitations

<u>Sr No</u>	Test Parameter	Value
1.	Test Solution (5g in 50ml water)	Solution is clear and colourless
2.	pH value (5% w/v solution in water)	> 3.0
3.	Assay, as AINH4(SO ₄) ₂ .12H ₂ O	99.5% min.
4.	Water Insoluble matter	0.005% max.
5.	Chloride, as Cl	0.002% max.
6.	Nitrate, as NO ₃	0.001% max.
7.	Phosphate, as PO ₄	0.0025% max.
8.	Arsenic, as As	0.00005% max.
9.	Copper, as Cu	0.0005% max.
10.	Heavy Metals, as Pb	0.0005% max.
11.	Iron, as Fe	0.0005% max.
12.	Potassium, as K	0.05% max
13.	Silicate, as SiO ₂	0.002% max.
14.	Sodium, as Na	0.005% max.

Original Re-Release: July 2016 Amendment No: - Original Page 1 of 1