



Product Specification

Product Name:	Aluminium Ammonium Sulfate 12-hydrate AR
CAS No:	7784-26-1
Alternate Name:	Ammonia Alum
Molecular Formula:	$\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Molecular Weight:	453.33 g/mol
HS Code:	2833 30 10
Odour:	Odourless
Appearance:	Solid crystals and/or crystalline powder
Density:	1.64 g/cm ³
Bulk density:	~700 - 800 kg/m ³
Melting Point:	~93°C (release of water of crystallization)
Storage:	Without limitations

<u>Sr No</u>	<u>Test Parameter</u>	<u>Value</u>
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 $\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	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.