



Product Specification

Product Name:	Aluminium Ammonium Sulfate 12-hydrate ACS
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.	Assay, as $\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	98.0 – 102.0% min.
3.	Water Insoluble matter	0.005% max.
4.	Chloride, as Cl	0.001% max.
5.	Calcium, as Ca	0.05% max.
6.	Heavy Metals, as Pb	0.001% max.
7.	Iron, as Fe	0.001% max.
8.	Potassium, as K	0.05% max
9.	Sodium, as Na	0.01% max.