



## UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

### **Product Information**

### **TECHNICAL DATA SHEET / Specification Sheet**

#### **Aluminium ammonium sulphate**

Synonym : Ammonium alum dodecahydrate  
CAS No : 7784-26-1  
Molecular Formula :  $\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$   
Molecular Weight : 453.33  
Storage Below : 30°C  
Shelf life : 5 years

#### **Technical Specification**

Appearance	: Colourless or white crystals or powder
Solubility	: 100 mg soluble in 1 mL of water
pH (10% in water at 25°C)	: 2.50 - 3.50
Chloride (Cl)	: $\leq 0.002\%$
Arsenic (As)	: $\leq 0.00005\%$
Lead (Pb)	: $\leq 0.0005\%$
Iron (Fe)	: $\leq 0.005\%$
Water insoluble matter	: $\leq 0.005\%$
Phosphate (PO <sub>4</sub> )	: $\leq 0.0025\%$
Copper (Cu)	: $\leq 0.0005\%$
Potassium (K)	: $\leq 0.05\%$
Sodium (Na)	: $\leq 0.005\%$
Nitrate (NO <sub>3</sub> )	: $\leq 0.001\%$
Silicate(SiO <sub>2</sub> )	: $\leq 0.002\%$
Assay (ZnCl <sub>2</sub> Titration)	: 97.50 - 102.00%