

## 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%