



TECHNICAL DATA SHEET

Product Name: Ammonium Acetate

CAS Number: 631-61-8

EINECS / EC Number: 211-162-9

1. Product Identification

Chemical Name: Ammonium Acetate

Molecular Formula: C₂H₇NO₂

Molecular Weight: 77.08 g/mol

2. Specifications

Parameter	Specification
Appearance	White crystalline solid
Purity (Assay, % min)	97.0 – 99.0
pH (5% solution)	6.5 – 7.5
Solubility	Freely soluble in water, alcohol
Content (CH ₃ COONH ₄)	≥% 97.5
pH (5% solution)	6.7-7.3
Identification of Ammonium	Pass test
Identification of Acetate	Pass test
Water Insoluble substances	≤% 0.005
Residue on Ignition	≤% 0.01
Moisture (by KF method)	≤% 2.5
Substances reducing permanganate	≤% 0.01
Chloride (Cl)	≤% 0.0005
Sulfate (SO ₄)	≤% 0.001
Nitrate (NO ₃)	≤% 0.001
Phosphate (PO ₄)	≤% 0.0005
Calcium (Ca)	≤% 0.001
Potassium (K)	≤% 0.002
Sodium (Na)	≤% 0.002
Ferrous (Fe)	≤% 0.001

3. Applications

Analytical Reagent: Used as a buffer in HPLC and LC-MS applications.

Food Industry: Permitted food additive (E261) as an acidity regulator.

Pharmaceutical Industry: Intermediate in drug synthesis.

Agriculture: Nitrogen source in fertilizers and plant nutrition.

Industrial Use: Used in textile and plating processes.

4. Packaging

25 kg bags / fiber drums / customized packaging available.



5. Storage & Handling

Store in a **cool, dry, and well-ventilated area.**

Keep container tightly closed, away from heat and moisture.

Hygroscopic material — avoid prolonged exposure to air.

6. Safety Information

Hazard Classification: Not classified as hazardous under GHS.

Safety Precautions: Avoid inhalation of dust and contact with skin/eyes. Use appropriate PPE.

First Aid:

Skin contact: Wash with soap and water.

Eye contact: Rinse immediately with plenty of water and seek medical advice.

Inhalation: Move to fresh air.

Ingestion: Rinse mouth and seek medical advice.

7. Shelf Life

2 years under recommended storage conditions.