



TECHNICAL DATA SHEET

Product Name: Ammonium Sulfate – Food grade

Chemical Name: Ammonium Sulfate

Molecular Formula: $(\text{NH}_4)_2\text{SO}_4$

CAS No.: 7783-20-2

Application: Food additive

Origin: China

PRODUCT DESCRIPTION

Ammonium Sulfate is a white or off-white crystalline salt, soluble in water and commonly used as a nitrogen fertilizer, chemical reagent, and industrial processing aid. It is produced as a by-product from caprolactam or coke oven gas processing and is widely applied in agriculture, chemical manufacturing, water treatment, and textile industries.

TYPICAL SPECIFICATIONS

Parameter		Specification
Appearance		White fine crystal
Content	≥%	99.0-100.5
Pb	≤%	0.0003
Se	≤%	0.003
Residue on Ignition	≤%	0.25
As	≤%	0.0003

APPLICATIONS

- Acidity regulator / buffer in flours and baked goods. (E517).
- Dough strengthener / dough conditioner (improves handling/volume in certain bakery processes).
- Yeast nutrient / fermentation aid in baking & winemaking (ammonium ion supplies assimilable nitrogen for yeast).
- Stabilizer / processing aid in some processed foods, and in sausage casing manufacture and certain beverage fermentations.

CERTIFICATIONS

- ISO 9001

- ISO 14001
- ISO 22000
- KOSHER
- HALAL
- GMP VERIFICATION

PACKAGING

- 25kg PP/PE bags
- 50kg woven bags
- 1000kg jumbo bags
- Custom packaging available upon request

STORAGE & HANDLING

- Store in a dry, well-ventilated warehouse
- Avoid moisture, direct sunlight, and strong oxidizers
- Keep packaging sealed to avoid caking and degradation
- Shelf life: 2 years under proper storage

SAFETY & TRANSPORT

- Non-flammable, non-toxic
- Transport as general chemicals
- UN No.: Not classified as dangerous goods
- Follow local environmental and chemical handling regulations



