

Technical Data Sheet

AMMONIUM SULPHATE

Ammonium Sulfate is a salt with significant efficiency in both agricultural and industrial domains. Its principal usage is in the creation of chemical fertilizers. The composition of ammonium sulfate fertilizer incorporates 21% nitrogen (present as ammonium ions) and 24% sulfur (present as sulfate ions). The fertilizer's applications in agriculture include its use in modifying and lowering the pH of alkaline soils, supplying the necessary nitrogen and sulfur for plant growth and advancement, and enhancing the quality of agricultural products.

Applications:

Ammonium sulfate fertilizer is one of the first and most widely used nitrogen (nitrogenous) fertilizers for agricultural products. This fertilizer is used for purposes requiring both nitrogen and sulfur. Therefore, ammonium sulfate can be used as a supplement in soils deficient in sulfur.

Other Applications:

This compound is also used in agriculture as:

- A spray aid for insecticides
- Fungicides
- Water-soluble herbicides
- Production of hardeners and the wood industry
- Production of nylon, water, and wastewater treatment
- Fire extinguishing powder production
- Food industry for improving bread dough
- Leather and tanning industries
- Livestock and poultry farming for combating coccidiosis
- Electroplating industries

Test	Analysis
Appearance	White crystalline powder
Odor	Odorless
Melting Point	235-280 ° C
Solubility	74.4 g/ 100ml in water (20° C)
N Content	21%
S Content	24 %
Moisture	Max 0.2 %
Free Acid	0.025%
PH	4.0-6.0
As	Max 0.001 %