

# AMMONIUM SULFATE 21-0-0-24 (STANDARD)

## Product Description

Ammonium Sulfate (Standard) is a white, crystalline powder with anti-caking agent. Ammonium Sulfate is used in wide range of industrial and agricultural applications. In agriculture ammonium sulfate is used in blends with other nutrients (Nitrogen, Phosphate, or Potash) or as a direct application to supply a source of sulfur “Fourth Major Nutrient” in the sulfate form. Ammonium Sulfate promotes the following:

- Increases drought tolerance through enhancing root development.
- Helps maintain a dark green color by promoting chlorophyll production.
- Promotes nodule formations on legumes
- Aids in the conversion of nitrates into proteins.
- Stimulates seed production and early maturity
- Is an integral part of certain amino acids
- Assists in the breakdown of organic matter
- Improves soil structure and increases water infiltration.

## Products Specifications

		<u>Tyler Sieve Analysis</u>	<u>Result (%)</u>
Total Nitrogen (N)	21%	+20	24%
(As Ammoniacal Nitrogen)		+28	36%
Total Sulfur (S)	24%	+35	22%
(Derived from Anhydrous Ammonia and Sulfuric Acid)		+48	11%
Size Guide Number (SGN)	67	+100	7%
Bulk Density	75 lbs./ft <sup>3</sup>	-140	1%

<u>Formula</u>	<u>Formula Weight</u>	<u>CAS</u>	<u>EINECS No</u>
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	132.14g/mol	7783-20-2	231-984-1

### Analysis

Assay:

<u>Standard</u>	<u>Typical</u>
Not < 99.0% and not > 100.5%.	99% to 100%

### State of Texas Standards

### Typical Analysis

#### Impurities:

	<u>(ppm)</u>	<u>(ppm)</u>
As - Arsenic	41	< 0.01
Cd - Cadmium	39	< 0.2
Cu - Copper	1500	< 0.5
Pb - Lead	300	< 1
Hg - Mercury	17	0.04
Mo - Molybdenum	18	< 2
Ni - Nickel	420	1
Se - Selenium	100	< 0.01
Zn - Zinc	2800	9
Na - Sodium		11
K - Potassium		3
Mg - Magnesium		8
Ca - Calcium		15
Cl - Chlorine		32

## Packaging

Bulk

## Production Facility

Plainview Plant  
HCR 2 Box 17 Hwy 194  
Plainview, Tx 79072-1928

