

AMMONIUM SULFATE (INDUSTRIAL GRADE)

Product Description

Martin Resources manufactures Ammonium Sulfate as a primary product from Anhydrous Ammonia and Sulfuric Acid; trace quantities (<100ppm) of a water soluble anti-caking agent are added to promote flowability and shelf life. Ammonium Sulfate is a white, crystalline powder with usage in a broad range of industries, including:

- **Biological Treatment Plants** - As nutrient for bacterial cultures.
- **Chemical Industry** - As a nutrient for microorganisms in the production of enzymes. In the precipitation of protein.
- **Industrial Chemical Industry** - Production of metals (e.g. Chromium) and noble metals (e.g. gold). As a flotation auxiliary in the treatment of ores.
- **Textile industry** - As a additive to dye baths and for flame-proofing fabrics, wadding and wicks. In the production of auxiliaries for textile processing.
- **Wood Pulp Industry** - Production of yeast and sulfite liquor
- **Leather Industry** - Production of oozes and delimiting agents
- **Paper Industry** - Production of fire-resistant papers.

Products Specifications

		<u>Tyler Sieve</u> <u>Analysis</u>	<u>Result (%)</u>
Total Nitrogen (N)	21%	+20	24%
(As Ammoniacal Nitrogen)		+28	22%
Total Sulfur (S)	24%	+35	16%
(Derived from Anhydrous Ammonia and Sulfuric Acid)		+48	12%
		+100	16%
Size Guide Number (SGN)	56	+140	8%
Bulk Density	75 lbs./ft ³	-140	2%

Formula
(NH₄)₂SO₄

Formula Weight
132.14g/mol

CAS
7783-20-2

EINECS No
231-984-1

Analysis

Assay: **Standard** Not < 99.0% and not > 100.5%. **Typical** 99.0% to 100.5%

Impurities:	<u>State of Texas</u> <u>Standards</u> <u>(ppm)</u>	<u>Typical</u> <u>Analysis</u> <u>(ppm)</u>
As - Arsenic	41	< .01
Cd - Cadmium	39	< 0.2
Cu - Copper	1500	< 0.5
Pb - Lead	300	< 1
Hg - Mercury	17	.04
Mo - Molybdenum	18	< 2
Ni - Nickel	420	1
Se - Selenium	100	< 0.01
Zn - Zinc	2800	9
Fe - Iron	< 30	20
Na - Sodium		11
K - Potassium		3
Mg - Magnesium		8
Ca - Calcium		15
Cl - Chlorine		32

Packaging

50 lbs. Bags– 40 bags per shipping unit, palletized and shrink wrapped with slip sheets
2000 lbs. Bags (Superbag)– new woven poly one-way superbags on pallet with slip sheet
Bulk

Production Facility

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

