



## Specification

### Ammonium Sulfate ACS/USP

**Catalog Number:** AS1001  
**CAS Number:** 7783-20-2  
**Synonym(s):** Mascagnite  
**Molecular Formula:**  $(\text{NH}_4)_2\text{SO}_4$   
**Molecular Weight:** 132.14  
**Storage:** 15°C – 30°C  
**Retest Period:** Five years from the date of manufacture

Test	Specification
Appearance	Fine white crystals
Assay	≥ 99.0%
Identification A Reaction for Ammonium B Reaction for Sulfate	To pass test To pass test
Solubility (1g/1.5mL H <sub>2</sub> O)	Clear & colorless
pH (5%)	5.0 – 6.0
Insoluble Matter	≤ 0.005%
Residue After Ignition	≤ 0.005%
Chloride	≤ 5ppm
Nitrate	≤ 0.001%
Phosphate	≤ 5ppm
Heavy Metals	≤ 5ppm
Iron	≤ 5ppm
Residual Solvents: Water was the only solvent used during manufacture of the product.	

Approved:

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-252-5397, Fax: 888-211-5523  
[docsupport@gojirafc.com](mailto:docsupport@gojirafc.com)

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