



## Certificate of Analysis

### Ammonium Sulfate Industrial Grade

**Catalog Number:** AS1011  
**Lot Number:** 0612902  
**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  
**Date of Manufacture:** April 15, 2019  
**Retest Date:** April 14, 2024

Test	Specification	Result
Appearance	Fine white to yellowish crystals	Conforms
Assay	≥ 99.0%	> 99.9%
Water Soluble	≥ 99.9%	> 99.9%
pH (40%)	5.0 – 6.0	5.2
Moisture	Report	< 0.2%
Insoluble Matter	Report	< 0.1%
Total Nitrogen	Report	21.0%
Total Sulfur	Report	24.0%
Heavy Metals	≤ 10ppm	< 10ppm
Typical Trace Metal Content (average of 11 samples over 10)		
Aluminum < 1ppm	Chromium < 1ppm	Manganese < 1ppm
Arsenic < 1ppm	Copper < 1ppm	Molybdenum < 1ppm
Barium < 1ppm	Iron 5.5ppm	Nickel < 1ppm
Berelium < 1ppm	Lead < 1ppm	Lead
Calcium 4.4ppm	Mercury <1ppm	Sodium 20ppm
Cadmium < 1ppm	Magnesium < 1ppm	Zinc 3ppm

Approved by:

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