



Certificate of Analysis

Ammonium Sulfate ACS/USP

Catalog Number: AS1001
Lot Number: 0703803
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: May 10, 2018
Retest Date: May 9, 2023

Test	Specification	Result
Appearance	Fine white crystals	Conforms
Assay	≥ 99.0%	99.9%
Identification		
A Reaction for Ammonium	To pass test	Conforms
B Reaction for Sulfate	To pass test	Conforms
Solubility (1g/1.5mL H ₂ O)	Clear & colorless	Conforms
pH (5%)	5.0 – 6.0	5.2
Insoluble Matter	≤ 0.005%	< 0.005%
Residue After Ignition	≤ 0.005%	< 0.005%
Chloride	≤ 5ppm	< 5ppm
Nitrate	≤ 0.001%	< 0.001%
Phosphate	≤ 5ppm	< 5ppm
Heavy Metals	≤ 5ppm	< 5ppm
Iron	≤ 5ppm	< 5ppm
Total Aerobic Count	≤ 1,000cfu/g	< 1,000cfu/g
Yeast & Mold	≤ 10cfu/g	< 10cfu/g
Residual Solvents: Water was the only solvent used during manufacture of the product.		

Approved by:

Date: July 5, 2018

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