

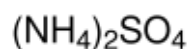
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## Product Specification

Product Name:  
Ammonium sulfate - for molecular biology, ≥99.0%

**Product Number:** A4418  
**CAS Number:** 7783-20-2  
**MDL:** MFCD00003391  
**Formula:** H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>S  
**Formula Weight:** 132.14 g/mol



TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
2 g in 3 ml, H <sub>2</sub> O	
Insoluble matter	≤ 0.005 %
Chloride	≤ 5 ppm
Iron (Fe)	≤ 5 ppm
Zinc (Zn)	≤ 5 ppm
Copper (Cu)	≤ 5 ppm
Heavy Metals (as Lead)	≤ 2 ppm
A260 UV Absorption	≤ 0.03
1 M solution	
A280 UV Absorption	≤ 0.025
1 M solution	
DNAse, Exonuclease Detection	None Detected
RNAse Detection	None Detected
Protease Detection	None Detected
Titration with NaOH	≥ 99.0 %
Recommended Retest Period	-----
5 years	

Specification: PRD.0.ZQ5.10000047287

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.