

## Certificate of Analysis

Date of Testing: 2024-04-12 14:50:17  
 Date of Next Testing: 2026-04-02 14:50:17  
 Product Name: **Ammonium sulfate**  
 CAS Number: 7783-20-2  
 Specifications & Purity: for molecular biology,  $\geq 99.0\%$   
 Lot #: G2221183  
 SKU #: **A112103**  
 Analysis: **342212**

Parameter	Limit Values	Result
UV Absorbance 280nm (1 M solution)	0-0.025	0.01
Iron(Fe)	0-5 (ppm)	3.60 ppm
Purity(Neutralization titration)	99-101 (%)	100.50 %
Chloride (Cl-)	0-5 (ppm)	4.11 ppm
UV Absorbance 260nm(1 M solution)	0-0.03	0.01
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Copper(Cu)	0-5 (ppm)	0.34 ppm
Zinc(Zn)	0-5 (ppm)	0.40 ppm
Heavy metal (as Pb)	0-2 (ppm)	0.12 ppm
Appearance (A112103)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , CLEAR ,2G/3ML WATER	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager