

## Certificate of Analysis

Date of Testing: 2023-01-12 15:04:12  
 Date of Next Testing: 2025-01-01 15:04:12  
 Product Name: **Ammonium sulfate**  
 CAS Number: 7783-20-2  
 Specifications & Purity: for molecular biology, ≥99.0%  
 Lot #: A2306039  
 SKU #: **A112103**  
**Analysis: 158021**

Parameter	Limit Values	Result
UV Absorbance 280nm (1 M solution)	0-0.025	0.00
Iron(Fe)	0-5 (ppm)	1.52 ppm
Purity(Neutralization titration)	99-101 (%)	99.79%
Chloride (Cl-)	0-5 (ppm)	2.06 ppm
UV Absorbance 260nm(1 M solution)	0-0.03	0.00
Insoluble matter in H2O	0-0.005 (%)	0.00%
Copper(Cu)	0-5 (ppm)	1.57 ppm
Zinc(Zn)	0-5 (ppm)	2.08 ppm
Heavy metal (as Pb)	0-2 (ppm)	1.38 ppm
Appearance (A112103)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
DNase, RNase and Protease	None Detected	none detected
Solubility in H2O , CLEAR ,2G/3ML WATER	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager