

## Certificate of Analysis

Date of Testing:	2024-06-01 16:25:32
Date of Next Testing:	2026-05-22 16:25:32
Product Name:	<b>Ammonium sulfate</b>
CAS Number:	7783-20-2
Specifications & Purity:	for molecular biology, ≥99.0%
Lot #:	E2420612
SKU #	<b>A112103</b>
Version	<b>1</b>
Analysis #:	<b>346342</b>

Parameter	Limit Values	Result
UV Absorbance 280nm (1 M solution)	0-0.025	0.01
Iron(Fe)	0-5 (ppm)	0.36 ppm
Purity(Neutralization titration)	99-101 (%)	100.41 %
Chloride (Cl-)	0-5 (ppm)	0.28 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)	0.02 ppm
Zinc(Zn)	0-5 (ppm)	0.01 ppm
Heavy metal (as Pb)	0-2 (ppm)	0.00 ppm
Appearance (A112103)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
DNase, RNase and Protease	None Detected	none detected
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , CLEAR ,2G/3ML WATER	pass	Pass



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ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager