

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-29 11:05:43  
Date of Next Testing: 2024-10-18 11:05:43  
Product Name: **Ammonium sulfate**  
CAS Number: 7783-20-2  
Specifications & Purity: for molecular biology,  $\geq 99.0\%$   
Lot #: J2210136  
SKU #: **A112103**  
Analysis: **127621**

Parameter	Limit Values	Result
Iron(Fe)	0-5 (ppm)	1.05 ppm
Purity(Neutralization titration)	99-101 (%)	100.25 %
Chloride (Cl-)	0-5 (ppm)	2.18 ppm
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Copper(Cu)	0-5 (ppm)	2.62 ppm
Zinc(Zn)	0-5 (ppm)	2.52 ppm
Heavy metal (as Pb)	0-2 (ppm)	1.05 ppm
UV Absorbance 280nm (1 M solution)	0-0.025	0.01
UV Absorbance 260nm(1 M solution)	0-0.03	0.01
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 H <sub>2</sub> O , CLEAR ,2G/3ML WATER	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager