

Certificate of Analysis

Date of Testing: 2023-01-09 17:13:05
 Date of Next Testing: 2024-12-29 17:13:05
 Product Name: **Ammonium sulfate**
 CAS Number: 7783-20-2
 Specifications & Purity: for molecular biology, $\geq 99.0\%$
 Lot #: A2306057
 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 H ₂ O	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 H ₂ O , 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

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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