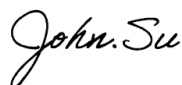


Certificate of Analysis

Date of Testing: 2022-09-05 11:35:13
 Date of Next Testing: 2026-09-04 11:35:13
 Product Name: **Ammonium sulfate**
 CAS Number: 7783-20-2
 Specifications & Purity: for plant cell culture, ≥99.0%
 Lot #: H2229012
 SKU #: **A112104**
Analysis: 121944

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-2 (ppm)	1.10 ppm
Insoluble matter	0-0.005 (%)	0.00 %
Copper(Cu)	0-5 (ppm)	2.10 ppm
Zinc(Zn)	0-5 (ppm)	2.20 ppm
Chloride (Cl-)	0-5 (ppm)	2.30 ppm
Iron(Fe)	0-5 (ppm)	3.20 ppm
Purity(Neutralization titration)	99-101 (%)	100.09 %
Appearance (A112104)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Plant cell culture test	pass	Pass
Solubility in H2O , CLEAR ,2G/3ML WATER	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager