

Certificate of Analysis

Date of Testing: 2023-10-17 13:38:56

Date of Next Testing: 2026-10-16 13:38:56

Product Name: **Iron(III) nitrate nonahydrate**

CAS Number: 7782-61-8

Specifications & Purity: Premium-Grade Reagents , for Analysis, ACS, Reag. Ph Eur

Lot #: J2310213

SKU #: **I434042**

Analysis: **286824**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(complexometric titration)	99-101 (%)	99.99310 %
Insoluble matter in H ₂ O	0-0.005 (%)	0.00 %
Free acid(HNO ₃)	0-0.3 (%)	0.02 %
Chloride(Cl-)	0-5 (ppm)	0.00 ppm
Phosphate(PO ₄ ³⁻)	0-0.005 (%)	0.00030 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00 %
Calcium(Ca)	0-0.005 (%)	0.00 %
Copper(Cu)	0-0.005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Magnesium(Mg)	0-0.001 (%)	0.00 %
Manganese(Mn)	0-0.02 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Zinc(Zn)	0-0.001 (%)	0.00 %
Substances not precipitated by ammonia(as sulfate)	0-0.1 (%)	0.01700 %
Appearance(I434042)	Grey to Purple Powder or Crystal or Chunks	Grey to Purple Powder or Crystal or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager