

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-24 17:19:38
Date of Next Testing: 2029-11-23 17:19:38
Product Name: **Iron nitrate nonahydrate**
CAS Number: 7782-61-8
Specifications & Purity: AR
Lot #: K2521449
SKU #: **F100208**
Version: **0**
Analysis #: **612702**
Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Chloride (Cl ⁻)	0-5 (ppm)	2.00000 ppm
Free acid(HNO ₃)	0-0.3 (%)	0.01800 %
Copper(Cu)	0-50 (ppm)	11.00000 ppm
Zinc(Zn)	0-10 (ppm)	5.00000 ppm
Lead(Pb)	0-10 (ppm)	8.00000 ppm
Purity Titration by EDTA	98-102 (%)	99.99590 %
Calcium(Ca)	0-50 (ppm)	22.00000 ppm
Manganese(Mn)	0-0.02 (%)	0.00000 %
Sodium(Na)	0-50 (ppm)	0.00000 ppm
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	0.00000 ppm
(As)Arsenic	0-0.5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Appearance (F100208)	purple powder or crystals	purple powder or crystals
Solubility in H ₂ O , clear yellow to orange solution at 100 mg/ml water	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager