

Certificate of Analysis

Date of Testing: 2022-03-12 15:52:55
 Date of Next Testing: 2026-03-11 15:52:55
 Product Name: **Iron nitrate nonahydrate**
 CAS Number: 7782-61-8
 Specifications & Purity: reagent grade
 Lot #: C2210024
 SKU #: **F100208**
Analysis: **082626**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Chloride (Cl ⁻)	0-5 (ppm)	1.23 ppm
Free acid(HNO ₃)	0-0.3 (%)	0.06 %
Copper(Cu)	0-50 (ppm)	18.33 ppm
Zinc(Zn)	0-10 (ppm)	8.80 ppm
Lead(Pb)	0-10 (ppm)	6.10 ppm
Purity Titration by EDTA	98-102 (%)	99.30 %
Calcium(Ca)	0-50 (ppm)	43.01 ppm
Manganese(Mn)	0-0.02 (%)	0.01 %
Sodium(Na)	0-50 (ppm)	32.40 ppm
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	29.30 ppm
(As)Arsenic	0-0.5 (ppm)	0.25 ppm
Potassium(K)	0-50 (ppm)	19.14 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

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

John Su
QA & QC Manager