

Certificate of Analysis

Date of Testing: 2022-09-12 11:02:56

Date of Next Testing: 2026-09-11 11:02:56

Product Name: **Iron nitrate nonahydrate**

CAS Number: 7782-61-8

Specifications & Purity: reagent grade

Lot #: I2208378

SKU # **F100208**

Analysis: **133679**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Chloride (Cl ⁻)	0-5 (ppm)	0.69 ppm
Free acid(HNO ₃)	0-0.3 (%)	0.12 %
Copper(Cu)	0-50 (ppm)	25.20 ppm
Zinc(Zn)	0-10 (ppm)	6.50 ppm
Lead(Pb)	0-10 (ppm)	3.40 ppm
Purity Titration by EDTA	98-102 (%)	99.76 %
Calcium(Ca)	0-50 (ppm)	20.50 ppm
Manganese(Mn)	0-0.02 (%)	0.02 %
Sodium(Na)	0-50 (ppm)	28.03 ppm
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	29.14 ppm
(As)Arsenic	0-0.5 (ppm)	0.02 ppm
Potassium(K)	0-50 (ppm)	25.30 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