

Certificate of Analysis

Date of Testing: 2024-09-19 09:43:12

Date of Next Testing: 2028-09-18 09:43:12

Product Name: **Iron nitrate nonahydrate**

CAS Number: 7782-61-8

Specifications & Purity: reagent grade

Lot #: I2411350

SKU # **F100208**

Version **0**

Analysis #: **412828**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Chloride (Cl-)	0-5 (ppm)	0.21 ppm
Free acid(HNO3)	0-0.3 (%)	0.01 %
Copper(Cu)	0-50 (ppm)	5.80 ppm
Zinc(Zn)	0-10 (ppm)	0.69 ppm
Lead(Pb)	0-10 (ppm)	0.17 ppm
Purity Titration by EDTA	98-102 (%)	100.00 %
Calcium(Ca)	0-50 (ppm)	15.20 ppm
Manganese(Mn)	0-0.02 (%)	0.00 %
Sodium(Na)	0-50 (ppm)	3.60 ppm
Sulfate(SO42-)	0-50 (ppm)	2.50 ppm
(As)Arsenic	0-0.5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	15.80 ppm
Appearance (F100208)	purple powder or crystals	purple powder or crystals
Solubility in H2O , 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