

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-21 09:32:17  
Date of Next Testing: 2029-10-20 09:32:17  
Product Name: **Iron nitrate nonahydrate**  
CAS Number: 7782-61-8  
Specifications & Purity: AR  
Lot #: J2509356  
SKU #: **F100208**  
Version: **0**  
Analysis #: **586027**  
Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Chloride (Cl <sup>-</sup> )	0-5 (ppm)	0.98070 ppm
Free acid(HNO <sub>3</sub> )	0-0.3 (%)	0.00140 %
Copper(Cu)	0-50 (ppm)	0.00000 ppm
Zinc(Zn)	0-10 (ppm)	0.00000 ppm
Lead(Pb)	0-10 (ppm)	0.00000 ppm
Purity Titration by EDTA	98-102 (%)	99.99040 %
Calcium(Ca)	0-50 (ppm)	0.00000 ppm
Manganese(Mn)	0-0.02 (%)	0.00000 %
Sodium(Na)	0-50 (ppm)	0.00000 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-50 (ppm)	0.00000 ppm
(As)Arsenic	0-0.5 (ppm)	0.02500 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Appearance (F100208)	purple powder or crystals	purple powder or crystals
Solubility in H <sub>2</sub> O , clear yellow to orange solution at 100 mg/ml water	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager