

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Iron(III) nitrate nonahydrate - ACS reagent, ≥98%

Product Number:

216828

 $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

CAS Number:

7782-61-8

MDL:

MFCD00149708

Formula:

 $\text{FeN}_3\text{O}_9 \cdot 9\text{H}_2\text{O}$

Formula Weight:

404.00 g/mol

TEST	Specification
Appearance (Color)	Conforms to Requirements
Off-White to Pale Purple	
Appearance (Form)	Conforms to Requirements
Moist Crystals	
Infrared spectrum	Conforms to Structure
Titration by Na ₂ S ₂ O ₃	98.0 - 101.0 %
Insoluble matter	≤ 0.005 %
c = 10 %; Dilute HNO ₃	
Chloride (CL)	≤ 5 ppm
Sulfate	≤ 0.01 %
Meets ACS Requirements	Current ACS Specification
Calcium (Ca)	≤ 0.01 %
Magnesium (Mg)	≤ 0.005 %
Potassium (K)	≤ 0.005 %
Sodium (Na)	≤ 0.05 %

Specification: PRD.1.ZQ5.10000007410

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.