

Certificate of Analysis

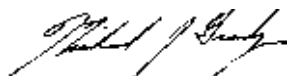
Product Name:

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

Product Number: 216828
Batch Number: MKCN0770
Brand: SIGALD
CAS Number: 7782-61-8
MDL Number: MFCD00149708
Formula: FeN3O9 · 9H2O
Formula Weight: 404.00 g/mol
Quality Release Date: 25 AUG 2020



Test	Specification	Result
Appearance (Color) Off-White to Pale Purple	Conforms to Requirements	Faint Purple
Appearance (Form) Moist Crystals	Conforms to Requirements	Moist Crystals
Infrared Spectrum	Conforms to Structure	Conforms
Titration by Na2S2O3	98.0 - 101.0 %	100.6 %
Insoluble Matter c = 10 %; Dilute HNO3	≤ 0.005 %	0.001 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Sulfate (SO4)	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Magnesium (Mg)	≤ 0.005 %	< 0.001 %
Potassium (K)	≤ 0.005 %	< 0.003 %
Sodium (Na)	≤ 0.05 %	< 0.01 %
Meets ACS Requirements	Current ACS Specification	Conforms



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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.

