

Certificate of Analysis

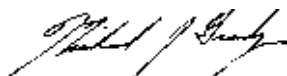
Product Name:

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

Product Number: 216828
Batch Number: MKCN6009
 Brand: SIGALD
 CAS Number: 7782-61-8
 MDL Number: MFCD00149708
 Formula: FeN3O9 · 9H2O
 Formula Weight: 404.00 g/mol
 Quality Release Date: 20 JAN 2021

Fe(NO₃)₃ · 9H₂O

Test	Specification	Result
Appearance (Color) Off-White to Pale Purple	Conforms to Requirements	Faint Purple
Appearance (Form) Moist Crystals	Conforms to Requirements	Crystals
Infrared Spectrum	Conforms to Structure	Conforms
Titration by Na ₂ S ₂ O ₃	98.0 - 101.0 %	100.7 %
Insoluble Matter c = 10 %; Dilute HNO ₃	≤ 0.005 %	< 0.005 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Sulfate (SO ₄)	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Magnesium (Mg)	≤ 0.005 %	< 0.001 %
Potassium (K)	≤ 0.005 %	< 0.001 %
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.

