

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Ferric Nitrate Nonahydrate 98 % AR

Catalog Number : O-5089

Batch Number : 5089-00000000

CAS Number : 7782-61-8

Molecular Weight : 404.00 g/mol

MoL. Formula : $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Off-White to pale purple moist crystals/powder	Pale purple moist crystalline powder
2	Assay (by $\text{Na}_2\text{S}_2\text{O}_3$ titration)	98.0 - 101.0 %	99.52%
3	Infrared spectrum	passes test	passes
4	Insoluble matter (10% in dil, HNO_3)	max 0.005 %	0.00065%
5	Chloride (Cl)	max 0.0005 %	0.00024%
6	Sulphate (SO_4)	max 0.01 %	0.0033%
7	Calcium (Ca)	max 0.01 %	0.005%
8	Magnesium (Mg)	max 0.005 %	0.0014%
9	Potassium (K)	max 0.005 %	0.0006%
10	Sodium (Na)	max 0.05 %	0.018%
11	Substance not precipitated by ammonia (as SO_4)	max 0.1 %	0.03%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC