

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Ferric Chloride Hexahydrate 97 % AR

Catalog Number : O-5087

Batch Number : 5087-00000000

CAS Number : 10025-77-1

Molecular Weight : 270.30 g/mol

Mol. Formula : $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Yellow to orange-yellow to brownish yellow very hygroscopic crystals or lumps or granular powder	Yellow lumps
2	Assay (Iodometric)	97.0 - 102 %	97.24%
3	Insoluble in water	max 0.01 %	0.0018%
4	Free acid (as HCl)	max 0.2 %	0.02%
5	Free Chlorine (as Cl)	max 0.005 %	< 0.005 %
6	Nitrate (NO_3)	max 0.01 %	0.001%
7	Phosphate (PO_4)	max 0.01 %	0.003%
8	Sulphate (SO_4)	max 0.01 %	0.0001%
9	Copper (Cu)	max 0.003 %	0.0007%
10	Iron (II) (Fe^{2+})	max 0.002 %	0.0002%
11	Calcium (Ca)	max 0.01 %	0.008%
12	Potassium (K)	max 0.005 %	0.002%
13	Magnesium (Mg)	max 0.005 %	0.00014%
14	Sodium (Na)	max 0.05 %	0.013%
15	Zinc (Zn)	max 0.003 %	0.0004%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC