

Product Name: Iron(III) chloride hexahydrate, ACS, 97.0-102.0%, Thermo Scientific Chemicals

Catalog Number: 012497.A1

CAS Number: 10025-77-1

IUPAC Name: iron(3+) hexahydrate trichloride

Molecular Formula: Cl₃FeH₁₂O₆

Molecular Weight: 270.29

MDL Number: MFCD00149712

InChI Key: NQXWGWZJXJUMQB-UHFFFAOYSA-K

SMILES: O.O.O.O.O.O.[Cl-].[Cl-].[Cl-].[Fe+3]

Synonym: iron(3+) hexahydrate trichloride

Product Specification

Form: Lumps, deliquescent solid

Impurity content: Phosphorus compounds (as PO₄): ≤0.01%

Impurity content: Potassium (K): ≤0.005%

Impurity content: Sodium (Na): ≤0.05%

Impurity content: Sulfate(SO₄): ≤0.01%

Impurity content: Zinc (Zn): ≤0.003%

Insoluble material: ≤0.01%

Assay (unspecified): 97.0-102.0% Cl₃Fe.6H₂O

Impurity content: Ca: ≤0.01%

Impurity content: Cu: ≤0.003%

Impurity content: Ferrous iron: ≤0.002%

Impurity content: Magnesium (Mg): ≤0.005%

Impurity content: Nitrate(NO₃): ≤0.01%

Date Of Print: 05/17/2024

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.