

Product Name: Iron(II) chloride tetrahydrate, 98%, Thermo Scientific Chemicals

Catalog Number: A16327.30

CAS Number: 13478-10-9

IUPAC Name: tetrahydroxyironbis(ylum) dichloride

Molecular Formula: Cl₂FeH₈O₄

Molecular Weight: 198.81

InChI Key: WSSMOXHYUFMBLS-UHFFFAOYSA-L

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

Synonym: iron(II) chloride

Product Specification

Appearance (Color): Green to yellow green or pale green with some yellow to brown discoloration

Form: Crystals and/or crystalline powder

Assay (Titration ex Chloride): ≥97.5 to ≤102.5% (non-U.S. specification)

Assay from Suppliers CofA: ≥97.5% (as tetrahydrate) (U.S. specification)

Assay from Suppliers CofA: Fe: 27.3-29.3% (U.S. specification)

Comment: Specification differs for U.S. and non-U.S. material where indicated

Water Content (Karl Fischer Titration): 35.0-37.5% (theory 36.25%) (non-U.S. specification)

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.