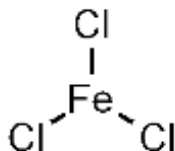


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

FERRIC CHLORIDE HEXAHYDRATE 97 % AR

Iron (III) Chloride Hexahydrate



Product Code	O-5087	Grade	Analytical Reagent
Purity	97 %	CAS No	10025-77-1
Molecular Formula	FeCl ₃ · 6 H ₂ O	Molecular Weight	270.30 g/mol
H.S.Code	2827.4190	Shelf Life	60 Months

Physical Properties

Physical state	solid	Melting point	37°C
Colour	tan	Solubility in water	Soluble
Boiling point	280 - 285 °C	Vapour pressure	< 1 mmHg at 20 °C

Packaging

500 gram

Specification

Appearance	Yellow to orange-yellow to brownish yellow very hygroscopic crystals or lumps or granular powder
Assay (Iodometric)	97.0 - 102 %
Insoluble in water	max 0.01 %
Free acid (as HCl)	max 0.2 %
Free Chlorine (as Cl)	max 0.005 %
Nitrate (NO ₃)	max 0.01 %
Phosphate (PO ₄)	max 0.01 %
Sulphate (SO ₄)	max 0.01 %
Copper (Cu)	max 0.003 %
Iron (II) (Fe ²⁺)	max 0.002 %
Calcium (Ca)	max 0.01 %
Potassium (K)	max 0.005 %
Magnesium (Mg)	max 0.005 %
Sodium (Na)	max 0.05 %

Zinc (Zn)

max 0.003 %

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 3260

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H302-H315-H318

Precaution Statement: P264-P280-P301+P312-P302+P352-P305+P351+P338-P332+P313