



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: I774945

CAS Number: 10025-77-1

Product: Iron(III) Chloride Hexahydrate

Synonym: Atofen; Ferric Chloride Hexahydrate; Ferric Trichloride Hexahydrate; Iron Chloride (FeCl₃·6H₂O); Iron Perchloride Hexahydrate; Iron Trichloride Hexahydrate; Iron(3+) Chloride Hexahydrate; Iron Chloride (FeCl₃) Hexahydrate

Structure:



Molecular Formula:

Cl₃Fe (6H₂O)

Molecular weight:

162.20 (108.09)

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 2-SUM-43-1

Purity: N/A

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Yellow to Dark Yellow Solid	Yellow to Dark Yellow Solid
Elemental Analysis	Conforms	%H: 4.25
FT-IR	Conforms to Structure	Conforms
Chloride Content	Report Result	39.2%
Water Content	Report Result	45.7% by Karl Fischer

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	10/13/2023	10/11/2027