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## Product Specification

Product Name:

Iron(III) chloride hexahydrate - reagent grade, ≥98%, chunks

**Product Number:****F2877** $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ 

CAS Number:

10025-77-1

MDL:

MFCD00149712

Formula:

 $\text{Cl}_3\text{Fe} \cdot 6\text{H}_2\text{O}$ 

Formula Weight:

270.30 g/mol

Storage Temperature:

2 - 8 °C

TEST	Specification
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Appearance (Color)

Faint Yellow to Very Dark Yellow and  
Yellow-Brown

Appearance (Form)

Conforms

Lumps

Solubility (Turbidity)

Clear to Hazy

c = 10g/50ml; H<sub>2</sub>O:HCL (49:1)

Solubility (Color)

Faint Yellow to Dark Yellow and Faint  
Orange to Dark Orange and Yellow-Orange  
Confirmed

ICP Major Analysis

Confirms Fe Component

Titration with Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

98.0 - 102.0 %

Recommended Retest Period

3 Years

Specification: PRD.4.ZQ5.10000032025

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.