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## Product Specification

Product Name:  
Iron(II) chloride tetrahydrate - 99.99% trace metals basis

**Product Number:** 380024  
**CAS Number:** 13478-10-9  
**MDL:** MFCD00149709  
**Formula:** Cl<sub>2</sub>Fe · 4H<sub>2</sub>O  
**Formula Weight:** 198.81 g/mol



TEST	Specification
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Appearance (Color)	Light Green to Green to Yellow
Appearance (Form)	Conforms to Requirements
Powder, Granular Powder, Crystals, Crystalline Powder and/or Chunks	
Titration with KMnO <sub>4</sub>	27.0 - 29.0 %
Typical % Fe by Titration with KMnO <sub>4</sub>	
ICP Major Analysis	Confirmed
Confirms Iron Component	
Purity	Meets Requirements
99.99% Based on Trace Metals Analysis	
Trace Metal Analysis	≤ 150.0 ppm

Specification: PRD.3.ZQ5.10000009072

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.