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## Product Specification

Product Name:  
Iron(III) chloride – anhydrous, powder, ≥99.99% trace metals basis

**Product Number:** 451649  
**CAS Number:** 7705-08-0  
**MDL:** MFCD00011005  
**Formula:** Cl<sub>3</sub>Fe  
**Formula Weight:** 162.20 g/mol



TEST	Specification
Appearance (Color)	Brown to Black
Appearance (Form)	Powder or Crystals
Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> % Fe	33.9 - 34.9 %
ICP Major Analysis Confirms Iron Component	Confirmed
Purity > = 99.99% Based On Trace Metals Analysis	Conforms
Trace Metal Analysis	≤ 100.0 ppm

Specification: PRD.0.ZQ5.10000085782

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.