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## Product Specification

Product Name:  
Iron(III) oxide - ≥99.995% trace metals basis

**Product Number:** 529311  
**CAS Number:** 1309-37-1  
**MDL:** MFCD00011008  
**Formula:** Fe<sub>2</sub>O<sub>3</sub>  
**Formula Weight:** 159.69 g/mol

Fe<sub>2</sub>O<sub>3</sub>

TEST	Specification
Appearance (Color) Red-Brown, Burgundy or Purple	Conforms to Requirements
Appearance (Form)	Powder
Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> % Fe	68.2 - 71.7 %
ICP Major Analysis Confirms Fe Component	Confirmed
Trace Metal Analysis	≤ 50.0 ppm
Purity > = 99.995% Based On Trace Metals Analysis	Meets Requirements

Specification: PRD.0.ZQ5.10000036343

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.