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Product Specification

Product Name:

Iron - puriss. p.a., carbonyl-iron powder, low in magnesium and manganese compounds, ≥99.5% (RT)

Product Number: 44890
CAS Number: 7439-89-6
MDL: MFCD00010999
Formula: Fe
Formula Weight: 55.85 g/mol

Fe

TEST	Specification
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Appearance (Color)	Faint Grey to Very Dark Grey
Appearance (Form)	Powder
Particle Size	Pass
5-9 um	
Redox Titration	99.5 - 100.5 %
Permanganate Titration	
Metal Trace Analysis (ICP)	Pass
Calcium (ICP)	≤ 50 mg/kg
Cadmium (ICP)	≤ 10 mg/kg
Cobalt (ICP)	≤ 50 mg/kg
Chromium (ICP)	≤ 10 mg/kg
Copper (ICP)	≤ 50 mg/kg
Potassium (ICP)	≤ 50 mg/kg
Magnesium (ICP)	≤ 5 mg/kg
Manganese (ICP)	≤ 10 mg/kg
Sodium (ICP)	≤ 50 mg/kg
Nickel (ICP)	≤ 50 mg/kg
Lead (ICP)	≤ 50 mg/kg
Zinc (ICP)	≤ 50 mg/kg

Specification: PRD.0.ZQ5.10000051972

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. 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.