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## Product Specification

Product Name:

Iron - nanopowder, 35-45 nm particle size, 99.5% trace metals basis

Product Number: **746843**

CAS Number: 7439-89-6

Formula: Fe

Formula Weight: 55.85 g/mol



TEST	Specification
Appearance (Color)	Black
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Size	Confirmed
35-45 nm	
Oxygen (O)	Confirmed
<3 wt%	
ICP Major Analysis	Confirmed
Confirms Iron Component	
Trace Metal Analysis	≤ 5500.0 ppm
Purity	Meets Requirements
99.5% Based On Trace Metals Analysis	

Specification: PRD.0.ZQ5.10000045985

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.