

3050 Spruce Street, Saint Louis, MO 63103, USA

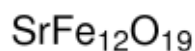
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## Product Specification

Product Name:

Strontium ferrite – nanopowder, &lt;100 nm particle size (BET), 99.8% trace metals basis

**Product Number:** 633836  
**CAS Number:** 12023-91-5  
**MDL:** MFCD00075632  
**Formula:** Fe<sub>12</sub>O<sub>19</sub>Sr  
**Formula Weight:** 1,061.75 g/mol



TEST	Specification
Appearance (Color)	Brown to Black
Appearance (Form)	Powder
Titration with Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> % Fe	60.9 - 65.3 %
Size < 100 nm (BET)	Confirmed
ICP Major Analysis Confirms Iron and Strontium Components	Confirmed
Purity 99.8% Based On Trace Metals Analysis	Meets Requirements
Trace Metal Analysis	≤ 2500.0 ppm

Specification: PRD.1.ZQ5.10000077016

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.