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## Product Specification

Product Name:

Iron oxide (II,III), nanoparticles – 25 nm avg. part. size (TEM), amine functionalized, 1 mg/mL in H<sub>2</sub>O

Product Number: 900028

Formula Weight: 231.53 g/mol

Storage Temperature: 2 - 8 °C

TEST	Specification
Appearance (Clarity) Absence of Precipitation	Confirmed
Appearance (Color)	Brown to Very Dark Brown
Appearance (Form)	Liquid
ICP Major Analysis Confirms Iron Component	Confirmed
Surface Functional Group Amine	Confirmed
Solvent 10mM PBS Buffer	Confirmed
Size 25nm + /- 2.5nm (TEM)	Confirmed
Concentration 1 mg/mL	Confirmed
Product of Supplier Ocean Nanotech, LLC	Confirmed
Recommended Retest Period 1 Year	-----

Specification: PRD.0.ZQ5.10000102823

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.

