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## Product Specification

Product Name:

Iron oxide (II,III), nanoparticles – 30 nm avg. part. size (TEM), streptavidin functionalized, 1 mg/mL in H<sub>2</sub>O**Product Number:** 900148

Storage Temperature: 2 - 8 °C

| TEST | Specification |
|------|---------------|
|------|---------------|

|  |                          |
|--|--------------------------|
| Appearance (Clarity)<br>Absence of Precipitation | Confirmed                |
| Appearance (Color)                               | Brown to Very Dark Brown |
| Appearance (Form)                                | Liquid                   |
| ICP Major Analysis<br>Confirms Iron Component    | Confirmed                |
| Surface Functional Group<br>Streptavidin         | Confirmed                |
| Solvent<br>10mM PBS Buffer                       | Confirmed                |
| Size<br>30nm +/- 2.5nm (TEM)                     | Confirmed                |
| Concentration<br>1 mg/mL                         | Confirmed                |
| Product of Supplier<br>Ocean Nanotech, LLC       | Confirmed                |
| Recommended Retest Period<br>1 Year              | -----                    |

Specification: PRD.0.ZQ5.10000086750

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.