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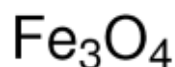
## Product Specification

Product Name:

Iron oxide(II,III), magnetic nanoparticles solution - 5 nm diameter, biotin functionalized, 1 mg/mL Fe, dispersion in H<sub>2</sub>O

Product Number:

747416



Formula:

Fe<sub>3</sub>O<sub>4</sub>

Formula Weight:

231.53 g/mol

Storage Temperature:

2 - 8 °C

**TEST****Specification**

|   |                     |
|---|---------------------|
| Appearance (Color)  | Brown to Dark Brown |
| Appearance (Form)   | Liquid              |
| Concentration<br>1 mg/ml  | Conforms            |
| Composition<br>Surface Group: Biotin  | Confirmed           |
| Particle Size<br>4-6 nm (TEM)   | Conforms            |
| Product of Supplier<br>OCEAN NANOTECH LLC                                   | Confirmed           |
| Recommended Retest Period<br>24 Months                                      | -----               |
| Note<br>Minimal precipitation will not affect the function of the material. | Confirmed           |

Specification: PRD.2.ZQ5.10000047276

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.