

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Silver nanospheres – 100 nm avg. part. size, 0.02 mg/mL in water, lipoic acid functionalized

Product Number:

796247

Storage Temperature:

2 - 8 °C

**TEST****Specification**

|                                    |   |
|------------------------------------|---|
| Appearance (Color)                 | Light Yellow to Yellow and Light Brown to Brown |
| Appearance (Form)                  | Liquid  |
| Wavelength                         |   |
| Report Result                      |   |
| ICP Major Analysis                 | Confirmed                                       |
| Confirms Silver Component          |   |
| Diameter                           |   |
| Hydrodynamic (Report Result)       |   |
| Surface Area                       |   |
| Report Result (TEM)                |   |
| Concentration                      |   |
| Mass (Ag)(Report Result)           |   |
| Diameter                           | Confirmed                                       |
| 100 nm                             |   |
| Miscellaneous Supplier Data        |   |
| Zeta Potential (mV)(Report Result) |   |
| pH                                 |   |
| Report Result                      |   |
| Silver (Ag)                        | Confirmed                                       |
| 99.99%                             |   |
| Miscellaneous Supplier Data        | Confirmed                                       |
| Particle Surface: Lipoic Acid      |   |
| Recommended Retest Period          | -----   |
| 12 months                          |   |

Specification: PRD.0.ZQ5.10000060474

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.