

3050 Spruce Street, Saint Louis, MO 63103, USA

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

## Product Specification

Product Name:

Fluorescent nanodiamond - Nitrogen vacancy  $\leq 4$  NV/particle, 35 nm avg. part. size (DLS), 1 mg/mL in deionized water, carboxylated

Product Number:

900172

TEST	Specification
Appearance (Color) Milky	White to Yellow to Brown
Appearance (Form)	Liquid or Suspension
Concentration 1 mg/mL in DI Water	Confirmed
Size by Dynamic Light Scattering	26 - 44 nm
Composition NV centers per particle, $\leq 4$	Confirmed
Zeta Potential Negative	Confirmed
Surface Functionalization Carboxylated	Confirmed

Specification: PRD.0.ZQ5.10000084628

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.