

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Fluorescent nanodiamond - Nitrogen vacancy >60 NV/particle, 70 nm avg. part. size (DLS), 1 mg/mL in deionized water

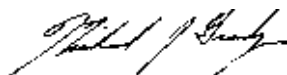
Product Number: 900173

Batch Number: MKBZ2326V

Brand: ALDRICH

Quality Release Date: 24 MAY 2016

Test	Specification	Result
Appearance (Color) Milky	White	White
Appearance (Form)	Liquid or Suspension	Suspension
Concentration 1 mg/mL in DI Water	Confirmed	Confirmed
Size by Dynamic Light Scattering	52 - 88 nm	68 nm
Fluorescence ~ 60 NVN centers per particle	Confirmed	Confirmed
Zeta Potential Negative	Confirmed	Confirmed



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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. 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.