

## Certificate of Analysis

Date of Testing: 2024-08-26 09:13:40  
Date of Next Testing: 2027-08-26 09:13:40  
Product Name: **Fluorescent nanodiamond**  
CAS Number:  
Specifications & Purity: nitrogen vacancy ~3 ppm NV centers, 140nm avg. part. size, carboxylic acid functionalized, PEG 3000 coated, 1mg/mL in deionized water  
Lot #: H2423464  
SKU #: **F476264**  
Version: **1**  
Analysis #: **399132**

Parameter	Limit Values	Result
Concentration	0.8-1.2 (mg/ml)	1.00 mg/ml
Size(by Dynamic Light Scattering)	125-155 (nm)	142.00000 nm
NV Concentration(Electron Paramagnetic Resonance)	1-5 (ppm)	3.00000 ppm
Appearance(F476264)	White Liquid or Suspension	White Liquid or Suspension
Carboxylic Acid Functionalized	confirmed	Confirmed



John Su  
QA & QC Manager