

Certificate of Analysis

Date of Testing: 2024-10-17 14:02:52
Date of Next Testing: 2025-07-14 14:02:52
Product Name: **Gold nanoparticles**
CAS Number:
Specifications & Purity: 10 nm diameter, OD 1, stabilized suspension in 0.1 mM PBS, reactant free
Lot #: E2326715
SKU #: **G486016**
Version: **1**
Analysis #: **422102**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Core Size	8-12 (nm)	9.00000 nm
Polydispersity Index(PDI)	0-0.2	0.12800
Hydrodynamic Diameter	11-25 (nm)	15.92800 nm
Absorption Maximum	510-525 (nm)	516.00000 nm
Appearance(G486016)	Suspension	Suspension
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Concentration(OD)(1)	Confirmed	Confirmed
Particles/ml 5.38E+12 - 6.58E+12	Confirmed	Confirmed
Buffer(Stabilized suspension in 0.1 mM phosphate buffered saline)	Confirmed	Confirmed



John Su
QA & QC Manager