

Certificate of Analysis

Date of Testing: 2023-09-05 10:01:58
Date of Next Testing: 2026-09-04 10:01:58
Product Name: **Gold nanoparticles**
CAS Number: 7440-57-5
Specifications & Purity: 5 nm diameter, OD 1, stabilized suspension in 0.1 mM PBS, reactant free
Lot #: H2330336
SKU #: **G486088**
Analysis: 264051
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Polydispersity Index(PDI)	0-0.2	0.10000
Core Size	3-7 (nm)	5.00000 nm
Hydrodynamic Diameter	7-15 (nm)	13.70000 nm
Absorption Maximum	510-525 (nm)	516.00000 nm
Particles/ml(4.92E+13 - 6.01E+13)	Confirmed	Confirmed
Concentration (OD=1)	Confirmed	Confirmed
Buffer (Stabilized suspension in 0.1 mM phosphate buffered saline)	Confirmed	Confirmed
Appearance(G486088)	Suspension	Suspension



John Su
QA & QC Manager