

## Certificate of Analysis

Date of Testing: 2023-09-05 10:42:20  
Date of Next Testing: 2026-09-04 10:42:20  
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 #: H2330489  
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



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QA & QC Manager