

Certificate of Analysis

Date of Testing: 2023-09-05 10:37:31

Date of Next Testing: 2026-09-04 10:37:31

Product Name: **Gold Nanoparticles**

CAS Number: 7440-57-5

Specifications & Purity: 20nm, 1 OD, supplied in 0.1mg/ml stabilized suspension citrate buffer, 524nm abs. max

Lot #: H2330421

SKU #: **G359133**

Analysis: **264048**

Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Polydispersity Index(PDI)	0-0.2	0.13000
Core Size	18-22 (nm)	20.00000 nm
Absorption Maximum	510-570 (nm)	522.00000 nm
Particles/ml (5.99 E+11-7.09 E+11)	Confirmed	Confirmed
Concentration ((OD): 1)	Confirmed	Confirmed
Buffer (Supplied in 0.1mg/ml citrate buffer supplemented with a proprietary stabilizing solution)	Confirmed	Confirmed
Appearance(G359133)	Suspension	Suspension



John Su
QA & QC Manager