

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-11 18:47:45

Date of Next Testing: 2029-04-10 18:47:45

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 #: D2610630

SKU #: **G486088**

Version: **1**

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($4.92\text{E}+13$ - $6.01\text{E}+13$)	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