

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-04 15:56:50

Date of Next Testing: 2029-02-03 15:56:50

Product Name: **Gold Nanorods**

CAS Number: 7440-57-5

Specifications & Purity: 10 nm diameter, $\lambda_{\max}$, 780 nm, dispersion in H₂O

Lot #: A2623416

SKU #: **G359095**

Version: **1**

Analysis #: **515773**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Axial Diameter Size	9-11 (nm)	10.00000 nm
Longitudinal Size	34-42 (nm)	38.00000 nm
Concentration	>30(μ g/ml)	42.00000 μ g/ml
pH	3-5	5.00000
Longitudinal Peak	765-794 (nm)	785.00000 nm
Longitudinal(Abs UN)	1.0-1.2	1.20000
Transverse Peak	507-517 (nm)	509.00000 nm
Transverse(Abs UN)	0.1-0.5	0.30000
Appearance(G359095)	Clear Liquid	Clear liquid
Solvent(H ₂ O)	Conform	Conform



John Su
QA & QC Manager