

## Certificate of Analysis

Date of Testing: 2022-10-17 17:22:35  
Date of Next Testing: 2025-10-16 17:22:35  
Product Name: **Gold Nanorods**  
CAS Number: 7440-57-5  
Specifications & Purity: 10 nm diameter,  $\lambda_{max}$ , 780 nm, dispersion in H<sub>2</sub>O  
Lot #: J2215347  
SKU #: **G359095**  
**Analysis: 141626**  
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( $\mu$ g/ml)	39.00 $\mu$ g/ml
PH	3-5	5.00
Longitudinal Peak	765-794 (nm)	786.00000 nm
Longitudinal(Abs UN)	1.0-1.2	1.10000
Transverse Peak	507-517 (nm)	511.00000 nm
Transverse(Abs UN)	0.1-0.5	0.30000
Appearance(G359095)	Clear Liquid	Clear liquid



John Su  
QA & QC Manager