

Certificate of Analysis

Date of Testing: 2024-04-19 17:01:33
Date of Next Testing: 2027-04-19 17:01:33
Product Name: **Gold Nanorods**
CAS Number: 7440-57-5
Specifications & Purity: 10 nm diameter, λ_{max} , 780 nm, dispersion in H₂O
Lot #: D2412458
SKU #: **G359095**
Analysis: **325285**
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)	42.00 μ g/ml
PH	3-5	5.00
Longitudinal Peak	765-794 (nm)	788.00000 nm
Longitudinal(Abs UN)	1.0-1.2	1.20000
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