

Certificate of Analysis

Date of Testing: 2024-10-17 14:00:36
Date of Next Testing: 2025-07-14 14:00:36
Product Name: **Gold nanoparticles**
CAS Number:
Specifications & Purity: 10 nm diameter, OD 1, stabilized suspension in 0.1 mM PBS, reactant free
Lot #: E2326711
SKU #: **G486016**
Version: **1**
Analysis #: **422101**
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Core Size | 8-12 (nm) | 9.00000 nm |
| Polydispersity Index(PDI) | 0-0.2 | 0.14800 |
| Hydrodynamic Diameter | 11-25 (nm) | 15.95800 nm |
| Absorption Maximum | 510-525 (nm) | 516.00000 nm |
| Appearance(G486016) | Suspension | Suspension |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |
| Concentration(OD)(1) | Confirmed | Confirmed |
| Particles/ml 5.38E+12 - 6.58E+12 | Confirmed | Confirmed |
| Buffer(Stabilized suspension in 0.1 mM phosphate buffered saline) | Confirmed | Confirmed |



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