

## Certificate of Analysis

Date of Testing: 2023-08-11 15:33:40  
Date of Next Testing: 2025-08-10 15:33:40  
Product Name: **gold shell**  
CAS Number:  
Specifications & Purity: 50 nm diameter, 5 nm wall thickness  
Lot #: K2108241  
SKU #: **G196407**  
**Analysis:** **263094**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Wall thickness	≥5 (nm)	5.00 nm
Diameter	0-50 (nm)	50.00 nm
Appearance (G196407)	Light blue liquid	Light blue liquid
optical density	1	1
Surface Group,Sodium citrate	Conforms	Conforms
Wave Length,590-600 nm	Pass	Pass



John Su  
QA & QC Manager