



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-22 18:43:17
Date of Next Testing: 2027-08-22 18:43:17
Product Name: **gold shell**
CAS Number:
Specifications & Purity: 50 nm diameter, 5 nm wall thickness
Lot #: H2512093
SKU #: **G196407**
Version: **3**
Analysis #: **413335**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Appearance (G196407)	Light blue liquid	Light blue liquid
Surface Group,Sodium citrate	Conforms	Conforms
Diameter(40-60nm)	Pass	Pass
Wall thickness(~5 nm)	Pass	Pass
optical density(0.8-1)	Pass	Pass
Wave Length,590-620 nm	Pass	Pass

John Su
QA & QC Manager