

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
 Certificate Number. 951001163

Catalogue Number	J67095
Lot Number	W10L052
Description	Gold nanoparticles, 100nm, supplied in 0.1 mg/ml sodium citrate with stabilizer, OD1, 572nm absorption
CAS Number	7440-57-5
Quality Test/Release Date	10/Sep/2025
Suggested retest date	10/Mar/2026
Country of Origin	Canada

Result Name	Units	Specifications	Test Value
Buffer		0.1 mg/mL citrate supplemented with a proprietary stabilizing solution	Conforms
Comment	nm	Core size: 100nm (-2nm to +15nm)	100 (-2 to +15)
Comment	nm	Mean hydrodynamic diameter (nm): 109-118	110.6
Comment		Particles/mL: ~3.84E+09	~3.84E+09
Concentration		Optical density (OD): 1	1
Form		Liquid	Liquid
lambda-max (UV-Vis)		565-575 nm	570
Polydispersity Index		0.01 to 0.08	0.034



Luis Perez  
 Interim Director Quality, LCD

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.