

**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 J67318  
Lot Number Q21M028  
Description Gold nanoparticles, 20nm, supplied in 0.1mM PBS, 95%, OD1, 524 nm absorption  
CAS Number 7440-57-5  
Quality Test/Release Date 22/Apr/2026  
Suggested retest date 22/Oct/2026  
Country of Origin Canada

Result Name	Units	Specifications	Test Value
Buffer		0.1 mM phosphate buffered saline (0.01X PBS)	0.1 mM phosphate buffered saline (0.01X PBS)
Concentration		1.00-1.05 (OD)	1
Form		Liquid	Liquid
lambda-max (UV-Vis)	nm	518-528 nm	519
Polydispersity Index		≤0.2	0.037
Particle Size	nm	Core Size: 18.0-22.0 nm	20 (+/-2)
Particle Size	nm	Mean Hydrodynamic Diameter: 23.0-27.0 nm	25.93



Derek Roy  
Quality Manager, 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.