Thermo Fisher Scientific
Ward Hill, MA-Sites

30 Bond Street	220 Neck Road	38 Shelley Road
Ward Hill	Ward Hill	Ward Hill
MA 01835	MA 01835	MA 01835

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	J67286
Lot Number	X23L022
Description	Gold nanoparticles, 15nm, supplied in 0.1mM PBS, reactant-free, 99%, OD1, 520nm absorption
CAS Number	7440-57-5
Quality Test/Release Date	23/Oct/2025
Suggested retest date	23/Apr/2026
Country of Origin	Canada

Result Name	Units	Specifications	Test Value
Buffer		0.1 mM Phosphate-Buffered Saline (0.01XPBS)	0.1 mM Phosphate-Buffered Saline (0.01XPBS)
Comment	nm	Mean hydrodynamic diameter (nm): 16-19	17.01
Comment		Particles/mL: ~1.64E+12	Conforms
Concentration		Optical density: 1	1
Core size	nm	15nm (±2nm)	15 +/-2
Form		Liquid	Liquid
lambda-max (UV-Vis)	nm	515-520nm	517
Polydispersity Index		0.050-0.155	0.075



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.