

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number J67099
 Lot Number W16K012
 Description Silver nanoparticles, 100nm, 0.02 mg/ml, supplied in 2mM sodium citrate, 490nm absorption
 CAS Number 7440-22-4
 Quality Test/Release Date 06/Oct/2025
 Suggested retest date 06/Apr/2026
 Country of Origin Canada
 Declaration of Origin Synthetic
 BSE/TSE Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Absorbance	nm	Absorption (max): 490-515 nm	505
Assay (unspecified)		Concentration (OD): 0.90-0.92	0.92
Assay (unspecified)	nm	Core Size: 100 nm (-2nm to +15nm)	100 (-2 to +15)
Assay (unspecified)	nm	Hydrodynamic Diameter (z-average): 100-120nm	112
Assay (unspecified)		Particles/mL: ~3.6E+09	~3.6E+9



Paul Coleman
Site Quality Manager

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.