

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	J67090
Lot Number	Y12L027
Description	Silver nanoparticles, 40nm, 0.02 mg/ml, supplied in 2mM sodium citrate, 416nm absorption
CAS Number	7440-22-4
Quality Test/Release Date	12/Nov/2025
Suggested retest date	12/May/2026
Country of Origin	Canada

Result Name	Units	Specifications	Test Value
Buffer		2mM sodium citrate	2mM sodium citrate
Comment		Core size: 40nm ± 3nm	Core size: 40nm ± 3nm
Appearance (Color)		Pale yellow to dark yellow and pale orange to dark orange	Pale yellow
Form		Liquid	Liquid
lambda-max (UV-Vis)	nm	405-425 nm	414
Particle Size		~6E+10/ml	~6E+10/ml



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.