

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	011407
Lot Number	R27L013
Description	Silver(I) oxide, 99+% (metals basis)
CAS Number	20667-12-3
Quality Test/Release Date	28/May/2025
Suggested retest date	28/May/2030
Country of Origin	United Kingdom

Result Name	Units	Specifications	Test Value
Total Metal Impurities	%	1% max.	0.00391
Chloride content	ppm	Reported	<5.0
Appearance (Color)		Gray to black	Gray-black
Carbonate	ppm	Reported	1205
Elemental silver (ICP)	%	Reported	92.92
Form		Powder	Powder
Loss on Drying	%	Reported	0.01
Nitrate content	ppm	Reported	<10
Scott density (g/cm3)	g/cm3	Reported	0.8
Sulfate content	ppm	Reported	<5
Tapped Density	g/cm3	Reported	1.3
Sieve Size 45 micron	%	Reported	100

Additional Information Al <0.1 , As <0.2 , Au <0.1 , B 0.1 , Ba <0.1 , Be <0.1 , Bi <0.1 , Ca 1.0 , Cd <0.1 , Ce <0.1 , Co 0.3 , Cr 0.6 , Cu 3.6 , Fe 16.2 , Ge <0.1 , Ir <0.2 , K 3.8 , La <0.1 , Li <0.1 , Mg 1.4 , Mn 0.2 , Mo 0.1 , Na 1.5 , Ni 7.0 , P 0.1 , Pb 2.7 , Pd 0.3 , Pt <0.1 , Re <0.1 , Rh <0.1 , Ru <0.1 , S 0.6 , Sb <0.1 , Sc <0.1 , Se <0.2 , Si 0.6 , Sm <0.1 , Sn <0.1 , Te <0.1 , Ti <0.1 , Tl <0.1 , V <0.1 , Zn 0.4 , Zr <0.1 , Values given in ppm unless otherwise specified.

John Astarita

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Director, Quality

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.