

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by ICG. Certificate Number. 110212Q

Catalogue Number	013990
Lot Number	62580039
Description	Copper powder, -325 mesh, 10% max +325 mesh, 99% (metals basis)
CAS Number	7440-50-8
Quality Test/Release Date	10/Dec/2025
Suggested retest date	10/Dec/2030
Country of Origin	UNITED STATES
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
Copper	%	Content	99.76
Acid insoluble	%	Content	0.06
Sieve analysis +100 mesh	%	Content	0
Sieve analysis -100+140 mesh	%	Content	0
Sieve analysis -140+200 mesh	%	Content	1.1
Sieve analysis -200+325 mesh	%	Content	6.9
Sieve analysis -325 mesh	%	Content	92.0
Hydrogen loss	%	Value	0.16
Apparent density	g/cm <sup>3</sup>	Value	2.35
Green strength at 12 TSI	PSI	Value	1,830



Ronald Becht  
Technical Support 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.