

## 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	A14894		
Lot Number	S13L058		
Description	Vitamin B12, 98+% (dry wt basis)		
CAS Number	68-19-9		
Quality Test/Release Date	13/Jun/2025		
Suggested retest date	13/Jun/2030		
Country of Origin	China		
Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	≥98.0% (on dried material)	98.5
Appearance (Color)		Dark red to red-purple	Dark red
Form		Crystals or crystalline powder	Crystals
Loss on Drying	%	≤5.0%	3.2



John Astarita  
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.