

## 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	J66691		
Lot Number	R02L011		
Description	Hydroxyapatite nanoparticles, 5-10% (w/v) aqueous colloidal dispersion, 20-50nm particles		
CAS Number	12167-74-7		
Quality Test/Release Date	02/May/2025		
Suggested retest date	02/May/2030		
Country of Origin	United States		
Declaration of Origin	Synthetic		
Result Name	Units	Specifications	Test Value
Assay (unspecified)	nm	Particle size: 20-50nm	27
Assay (unspecified)	%	Percent solids: 5-10%	6.43



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.