

**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 J61820  
Lot Number W22L540  
Description Spectinomycin dihydrochloride pentahydrate, Cell Culture Grade  
CAS Number 22189-32-8  
Quality Test/Release Date 03/Oct/2025  
Suggested retest date 03/Oct/2035  
Country of Origin Canada  
Declaration of Origin Other  
BSE/TSE Fermentation

Result Name	Units	Specifications	Test Value
Appearance (Color)		White to cream	Cream
Form		Slightly hygroscopic powder	Powder
Water Content (Karl Fischer Titration)	%	16.0-20.0%	17.21
pH		3.5-6.0	4.5
Potency	U/mg	≥ 603 IU/mg	668.3



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.