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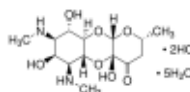
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## Product Specification

Product Name:  
Spectinomycin dihydrochloride pentahydrate – powder, BioReagent, suitable for cell culture

**Product Number:** S4014  
**CAS Number:** 22189-32-8  
**MDL:** MFCD00150886  
**Formula:** C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O<sub>7</sub> · 2HCl · 5H<sub>2</sub>O  
**Formula Weight:** 495.35 g/mol  
**Storage Temperature:** 2 - 8 °C



TEST	Specification
Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Light Yellow
Solubility (Turbidity)	Clear
50 mg/ml, H <sub>2</sub> O	
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	16.5 - 19.5 %
µg/mg	≥ 603
Cell Culture Test	Pass
Endotoxin Level	≤ 10 EU/mg
Titration with AgNO <sub>3</sub>	98.0 - 102.0 %
Recommended Retest Period	-----
5 years	

Specification: PRD.0.ZQ5.10000042337

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.