

## CERTIFICATE OF ANALYSIS

Product : **SPECTINOMYCIN DIHYDROCHLORIDE PENTAHYDRATE**  
Product number : S0188  
Batch number : 017946  
Manufacturing date : 03-07-2023  
Expiry date : 31-07-2026

Storage conditions : store dry at 2 – 8 °C

	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>UNITS</b>	<b>REMARKS</b>
Description	white or almost white powder	complies		slightly hygroscopic
Solubility	freely soluble in water, very slightly soluble in alcohol	complies		
Identification:				
- IR spectrum	conform	complies		
- chloride	conform	complies		
Appearance of solution	clear and colourless	complies		
pH	3.8 – 5.6	3.9		
Specific optical rotation	+15.0 – +21.0	+18.4	°	
Related substances	conform	complies		
Water	16.0 – 20.0	17.4	%	
Sulphated ash	≤ 1.0	0.27	%	
Assay	93.0 – 102.0	96.0	%	dried substance

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

Q. de Hoog, MSc, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 07-08-2023

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.