

## CERTIFICATE OF ANALYSIS

Product : **SPECTINOMYCIN DIHYDROCHLORIDE PENTAHYDRATE**  
Product number : S0188  
Batch number : 016949  
Manufacturing date : 21-01-2022  
Expiry date : 31-01-2025  
  
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   | 4.3           |              |                      |
| Specific optical rotation | +15.0 – +21.0   | +18.7         | °            |                      |
| Related substances        | conform   | complies      |              |                      |
| Water                     | 16.0 – 20.0   | 18.1          | %            |                      |
| Sulphated ash             | ≤ 1.0   | 0.12          | %            |                      |
| Assay                     | 93.0 – 102.0  | 96.9          | %            | dried substance      |

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

Conclusion: approved  
Released by:

drs. M. van Wissen, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 08-04-2022



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

Duchefa Biochemie B.V.