

CERTIFICATE OF ANALYSIS

Product : **MANNITOL (D-)**
Product number : **M0803**
Batch number : **014817**
Date of analysis : **10-01-2019**
Date of expiry : **31-01-2024**

Packaging and storage : in a well-closed container, protected from light

| | SPECIFICATION | RESULT | UNITS | REMARKS |
|------------------------|--|----------|-------|-------------------------|
| Appearance | white crystalline powder, odourless, sweet taste | complies | | |
| Melting point | 165.0 – 170.0 | 169 | °C | |
| Identification: | | | | |
| - C (IR-spectrum) | conform | complies | | |
| Appearance of solution | clear and colourless | complies | | 10% in H ₂ O |
| Conductivity | ≤ 20.0 | 1 | μS/cm | 20% in H ₂ O |
| Reducing sugars | ≤ 0.1 | 0.0 | % | |
| Related substances | conform | complies | | HPLC |
| Nickel | ≤ 1.0 | < 1.0 | ppm | |
| Loss on drying | ≤ 0.5 | 0.1 | % | |
| Assay | 97.0 – 102.0 | 99.0 | % | HPLC |

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

Conclusion: approved

Released by:

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

Date: 05-09-2019

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