

## CERTIFICATE OF ANALYSIS

Product : **MANNITOL (D-)**  
 Product number : M0803  
 Batch number : 014818  
 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 <sub>2</sub> O
Conductivity	≤ 20.0	1	μS/cm	20% in H <sub>2</sub> 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.