

## CERTIFICATE OF ANALYSIS

Product : **MANNITOL (D-)**  
 Product number : M0803  
 Batch number : 011192  
 Date of production : 20-10-2014  
 Date of analysis : 20-10-2014  
 Date of expiry : 20-10-2019

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder, odourless, sweet taste	complies		
Identification:				
- C (IR-spectrum)	conform	complies		
Appearance of solution	clear and colourless	complies		10% in H <sub>2</sub> O
Conductivity	≤ 20	1.0	μS/cm	20% in H <sub>2</sub> O
Reducing sugars	conform	complies		USP
Related substances	conform	1.1		HPLC
Chlorides	conform	< 1		
Nickel	≤ 1	complies	ppm	
Heavy metals	≤ 5	< 5	ppm	
Loss on drying	≤ 0.5	0.1	%	
Assay	98.0 – 102.0	98.9	%	dried substance

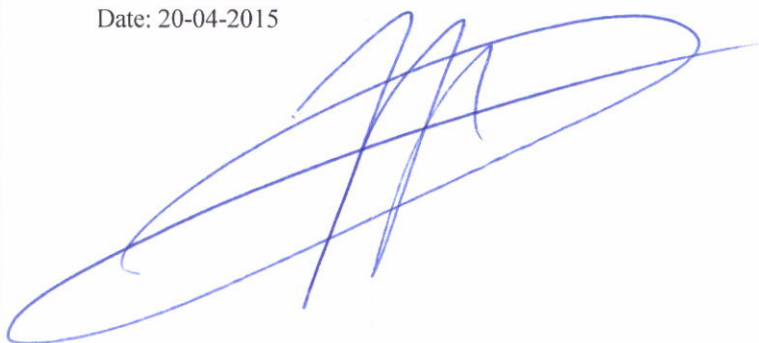
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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

Date: 20-04-2015



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