

## CERTIFICATE OF ANALYSIS

Product : **MANNOSE (D-)**  
 Product number : M1392  
 Batch number : 012912  
 Date of production : 01-01-2017  
 Date of expiry : 31-01-2022

Packaging and storage : in a well closed container, at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white powder	complies		
Solubility	soluble in water	complies		
Melting point	126 – 134	128.6 – 132.7		
Loss on drying	≤ 0.5	0.19	%	
Heavy metals	≤ 10	< 10	ppm	
Specific optical rotation	+13.7 – +15.0	+14.1	°	
Assay	≥ 99.0	99.2	%	HPLC
Total plate count	≤ 1000	< 1000	cfu/g	
Moulds and yeasts	≤ 100	< 100	cfu/g	

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: 05-05-2017



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