

## CERTIFICATE OF ANALYSIS

Product : **MANNOSE (D-)**  
 Product number : M1392  
 Batch number : 011974  
 Date of production : 21-03-2013  
 Date of expiry : 31-03-2018  
 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		
Loss on drying	≤ 0.5	0.10	%	
Heavy metals	≤ 10	< 10	ppm	
Specific optical rotation	+14 – +15	+14	°	
Assay	≥ 99.0	99.9	%	HPLC
Bacteria	≤ 1000	10	cfu/g	
Moulds and yeasts	≤ 200	10	cfu/g	

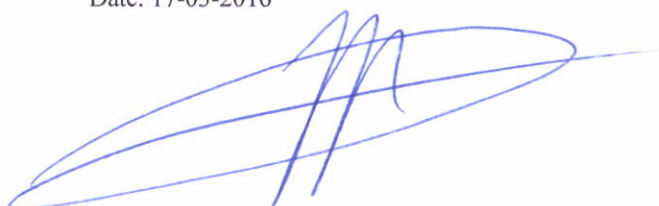
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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

Date: 17-03-2016



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