

## CERTIFICATE OF ANALYSIS

Product : **MANNOSE (D-)**  
Product number : M1392  
Batch number : 019125  
Date of production : 09-07-2021  
Date of expiry : 31-07-2026

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

	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>UNITS</b>	<b>REMARKS</b>
Appearance	white crystals or crystalline powder	complies		
Solubility	soluble in water	complies		
Melting point	126 – 134	126 – 132	°C	
Loss on drying	≤ 0.5	0.1	%	
Heavy metals	≤ 10	< 10	ppm	
Specific optical rotation	+13.5 – +15.0	+13.9	°	
Assay	≥ 99.0	99.8	%	HPLC
Total plate count	≤ 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:



S. Bayat, MSc, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 03-03-2025

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

Duchefa Biochemie B.V.