

## CERTIFICATE OF ANALYSIS

Product : **D(+)-GALACTOSE**  
 Product number : G0810  
 Batch number : 013177  
 Date of manufacture : 19-12-2016  
 Date of analysis : 20-12-2016  
 Date of expiry : 31-12-2021  
 Packaging and storage : store dry at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Description	white crystalline powder	complies		
Identification	conform	complies		IR-spectrum
Appearance of solution	clear and colour ≤ ref.sol. B <sub>8</sub>	complies		20% in H <sub>2</sub> O
Acidity or alkalinity	conform	complies		
Specific optical rotation	+78.0 – +81.5	+80.1	°	10% in H <sub>2</sub> O, anhydrous substance
Related substances	≤ 1.5	0.4	%	anhydrous substance
Barium	conform	complies		opalescence
Lead	≤ 0.5	complies	ppm	
Water	≤ 1.0	0.1	%	Karl Fischer
Sulphated ash	≤ 0.1	< 0.1	%	
Protein	≤ 0.1	< 0.1	mg/ml	
Assay	≥ 98.5	99.5	%	anhydrous substance
TAMC	≤ 100	5	cfu/g	
Salmonella	absent	complies	/10 g	
Escherichia Coli	absent	complies	/1g	

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 BV

Date: 11-09-2017



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