

## CERTIFICATE OF ANALYSIS

Product : **LACTOSE MONOHYDRATE**  
 Product number : L1372  
 Batch number : 014780  
 Date of production : xx-06-2018  
 Date of expiry : 30-06-2023  
 Storage conditions : in tightly closed container at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white, crystalline powder	complies		
Identification:				
- A (IR-spectrum)	conform	complies		
- D (water)	4.5 – 5.5	complies	%	Karl Fischer
Appearance of solution	clear and colour ≤ ref.sol. BY <sub>7</sub>	complies		10% in H <sub>2</sub> O
Acidity/alkalinity	≤ 0.4	0.2	ml	0.1N NaOH
Specific optical rotation	+54.4 – +55.9	+55.1	°	droge stof
Absorbance	conform	complies		UV
Heavy metals	≤ 5	complies	ppm	as Pb
Water	4.5 – 5.5	5.1	%	Karl Fischer
Sulphated ash	≤ 0.1	< 0.1	%	

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

Conclusion: approved

Released by:

drs. Q. de Hoog, pharmacist  
 Department of Quality Control Duchefa B.V.

Date: 21-08-2019

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