

## CERTIFICATE OF ANALYSIS

Product : BIOTIN (D+)

 Product number
 : B0603

 Batch number
 : 013878

 Date of production
 : 11-01-2018

 Date of analysis
 : 17-01-2018

 Date or expiry
 : 31-01-2021

Packaging and storage : Store at 2 - 8 °C

Appearance Solubility	SPECIFICATION white crystalline powder soluble in warm water, soluble in slightly alkaline and acidic solutions	RESULT complies complies	UNITS	REMARKS
Identification	conform	complies		IR-spectrum
Appearance of solution	clear and colourless	complies		
Specific optical rotation	+89 - +93	+90.5	O	
Related substances	conform	complies	%	
Heavy metals	≤ 10	< 10	ppm	
Loss on drying	≤ 1.0	0.07	%	100 - 105 °C
Sulphated ash	≤ 0.1	0.07	%	
Assay	98.5 – 101.0	99.5	%	dried substance

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

Conclusion: approved

Approved by:

drs. Q. de Hoog, pharmacist

Approved by:

Department of Quality Control Duchefa B.V.

Date: 05-07-2018

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

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