

CERTIFICATE OF ANALYSIS

Product : **RAFFINOSE, D(+) PENTAHYDRATE**
 Product number : R0812
 Batchnumber : 014796
 Date of production : xx-05-2019
 Date of expiry : 31-05-2024
 Packaging and storage : store dry at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder	complies		
Identification	conform	complies		TLC
Specific optical rotation	+103 – +108	+104.5	°	10% in H ₂ O / 20°C
Loss on drying	≤ 15.0	14.4	%	
Sulphated ash	≤ 0.1	0.03	%	dried substance
Melting point	78.0 – 82.0	79.5 – 80.5	°C	
pH	5.5 – 6.5	5.9		
Arsenic	≤ 2	complies	ppm	AAS
Lead	≤ 2	complies	ppm	AAS
Heavy metals	≤ 10	complies	ppm	AAS
Assay	≥ 98.0	98.2	%	HPLC

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

Conclusion: approved

Released by:

drs. J. van der Eem, pharmacist
 Department of Quality Control Duchefa B.V.



Date: 23-08-2019

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