



CERTIFICATE OF ANALYSIS

Product : **RAFFINOSE, D(+) PENTAHYDRATE**
Product number : R0812
Batchnumber : 015470
Date of production : xx-03-2020
Date of expiry : 31-03-2025

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	+104.8	°	10% in H ₂ O / 20°C
Loss on drying	≤ 15.0	11.9	%	
Sulphated ash	≤ 0.1	0.07	%	dried substance
Melting point	78.0 – 82.0	79.8 – 80.8	°C	
Ethanol	≤ 5000	1405	ppm	
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. M. van Wissen, pharmacist
Department of Quality Control Duchefa B.V.

Date: 29-05-2020

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

Duchefa Biochemie B.V.

