

CERTIFICATE OF ANALYSIS

Product : **2-NITROPHENYL-β-D-GALACTOPYRANOSIDE (ONPG)**
 Product number : O1409
 Batch number : 014841
 Date of analysis : 10-07-2019
 Date of expiry : 31-07-2024

Packaging and storage : keep containers tightly closed, store dry at 2 – 8 °C

	SPECIFICATION	RESULT	UNITS	REMARKS
Description	white to pale yellow powder	white powder		
Solution test	clear and colourless	complies		1% in H ₂ O
Identification	conform	complies		IR
Specific optical rotation ($[\alpha]_D^{20}$)	-67-- -71	-70.2	°	1% in H ₂ O
Water	< 0.1	0.08	%	Karl Fischer
2-Nitrophenol (ONP)	< 100	< 40	ppm	
Assay	> 99%	> 99%		TLC

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: 11-09-2019

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