

CERTIFICATE OF ANALYSIS

Product : **2-NITROPHENYL- β -D-GALACTOPYRANOSIDE (ONPG)**
 Product number : O1409
 Batch number : 011220
 Date of analysis : 03-12-2014
 Date of expiry : 31-12-2019

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

Description	SPECIFICATION	RESULT	UNITS	REMARKS
Solution test	white to pale yellow powder clear and colourless	white powder complies		1% in H ₂ O
Purity: n-butanol/acetic acid/water 3:1:1	single spot (> 99%)	> 99%		TLC, 254 nm silica gel 60A
Water	< 0.5	0.09	%	Karl Fischer
2-Nitrophenol (ONP)	< 100	< 60	ppm	TLC
IR-spectrum	conform	complies		
Specific optical rotation ($[\alpha]_D^{20}$)	-67 – -71	-69.1	°	1% in H ₂ O

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: 28-04-2015



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