

## CERTIFICATE OF ANALYSIS

Product : **ISOPROPYL-β-D-THIOGALACTOPYRANOSIDE (IPTG)**  
 Product number : 11401  
 Batch number : 013403  
 Date of analysis : 03-07-2017  
 Date of expiry : 31-07-2022

Packaging and storage : in a well-closed container under dry conditions between -25°C – -15°C

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white powder	complies		
Solubility	clear and colourless	complies		5% in H <sub>2</sub> O
IR-spectrum	conform	complies		
pH	5.0 – 8.0	7.1		5% in H <sub>2</sub> O
Specific rotation	-30 – -34	-32.1	°	C=1, H <sub>2</sub> O
1,4-Dioxane	≤ 1	complies	ppm	GC
Water	≤ 1.0	0.2	%	Karl Fischer
Assay	≥ 99.0	99.3	%	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: 29-12-2017



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