

## CERTIFICATE OF ANALYSIS

Product : **ISOPROPYL-B-D-THIOGALACTOPYRANOSIDE (IPTG)**  
Product number : 11401  
Batch number : 017184  
Date of analysis : 29-06-2022  
Date of expiry : 30-06-2027

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

	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>UNITS</b>	<b>REMARKS</b>
Appearance	white powder	complies		
Solubility	soluble in water and ethanol	complies		5% in H <sub>2</sub> O
Identification	conform	complies		IR-spectrum
pH	5.0 – 7.0	6.04		5% in H <sub>2</sub> O
Specific rotation	-34.5 – -28.5	-31.78	°	C=1, H <sub>2</sub> O
1,4-Dioxane	should be absent	complies	ppm	GC
Water	≤ 1.0	0.21	%	Karl Fischer
Assay	≥ 98.00	99.75	%	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: 26-07-2022



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

Duchefa Biochemie B.V.