

## CERTIFICATE OF ANALYSIS

Product : **ISOPROPYL- $\beta$ -D-THIOGALACTOPYRANOSIDE (IPTG)**  
Product number : 11401  
Batch number : 018508  
Date of analysis : 13-03-2024  
Date of expiry : 31-03-2029

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

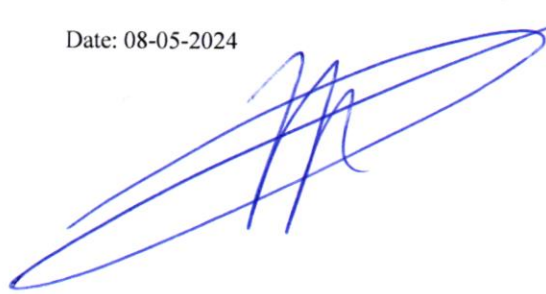
	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>UNITS</b>	<b>REMARKS</b>
Appearance	white powder	complies		
Solubility	soluble in water and ethanol	complies		5% in H <sub>2</sub> O
Identification	conform	complies		IR-spectrum
pH	5.0 – 7.0	6.58		5% in H <sub>2</sub> O
Specific rotation	-34.5 – -28.5	-33.7	°	C=1, H <sub>2</sub> O
1,4-Dioxane	should be absent	complies	ppm	GC
Water	≤ 1.0	0.08	%	Karl Fischer
Assay	≥ 98.00	99.52	%	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: 08-05-2024



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

Duchefa Biochemie B.V.