

CERTIFICATE OF ANALYSIS

Product : **ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE (IPTG)**
 Product number : I1401
 Batch number : 016776
 Date of analysis : 02-10-2021
 Date of expiry : 31-10-2026

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	soluble in water and ethanol	complies		5% in H ₂ O
Identification	conform	complies		IR-spectrum
pH	5.0 – 7.0	6.65		5% in H ₂ O
Specific rotation	-34.5 – -28.5	-32.13	°	C=1, H ₂ O
1,4-Dioxane	Should be absent	complies	ppm	GC
Water	≤ 1.0	0.73	%	Karl Fischer
Assay	≥ 98.00	99.50	%	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: 24-01-2022



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

Duchefa Biochemie B.V.