

CERTIFICATE OF ANALYSIS

Product : **ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE (IPTG)**
 Product number : I1401
 Batch number : 015318
 Date of analysis : 16-03-2020
 Date of expiry : 31-03-2025

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
IR-spectrum	conform	complies		
pH	5.0 – 8.0	5.9		5% in H ₂ O
Specific rotation	-30 – -34	-32.1	°	C=1, H ₂ O
1,4-Dioxane	≤ 1	complies	ppm	GC
Water	≤ 1.0	0.2	%	Karl Fischer
Assay	≥ 99.0	99.2	%	HPLC

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:



drs. J. van der Eem, pharmacist
Department of Quality Control Duchefa B.V.

Date: 20-03-2020

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

Duchefa Biochemie B.V.