

CERTIFICATE OF ANALYSIS

Product ISOPROPYL-B-D-THIOGALACTOPYRANOSIDE (IPTG)

Product number 11401 Batch number 014496 Date of analysis 08-04-2019 Date of expiry 31-03-2024

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

Appearance	SPECIFICATION white powder	RESULT complies	UNITS	REMARKS
1.1	•	•		50/: II O
Solubility	soluble in water and ethanol	complies		5% in H ₂ O
IR-spectrum	conform	complies		
pH	5.0 - 8.0	7.6		5% in H ₂ O
Specific rotation	-30 – -34	-32.7	O	$C=1$, H_2O
1,4-Dioxane	≤ 1	complies	ppm	GC
Water	≤ 1.0	0.3	%	Karl Fischer
Assay	≥ 99.0	99.7	%	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: 12-04-2019

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

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