

CERTIFICATE OF ANALYSIS

Product : **ISOPROPYL-β-D-THIOGALACTOPYRANOSIDE (IPTG)**
 Product number : 11401
 Batch number : 014208
 Date of analysis : 10-12-2018
 Date of expiry : 31-12-2023

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	7.6		5% in H ₂ O
Specific rotation	-30 – -34	-32.7	°	C=1, H ₂ O
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:



Date: 12-12-2018

drs. Q. de Hoog, pharmacist
 Department of Quality Control Duchefa B.V.

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