

Certificate of Analysis



SCIENTIFIC

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An ISO 9001 Certified Company

IPTG (Isopropyl β -D-thiogalactopyranoside)

PRODUCT NUMBER

IB02100 _____ 1gm
IB02105 _____ 5gm
IB02125 _____ 25gm

LOT NO.

Lot# _____ 21J2001

CAS NO.

CAS# _____ 367-93-1

STORAGE

Store desiccated at -20°C. Warm to room temperature before opening. Keep tightly sealed.

SPECIFICATIONS

	Specification	Analysis	Disposition
Abs. @300nm (5%, water)	≤ 0.13	0.065	PASS
Abs. @400nm (5%, water)	≤ 0.06	0.030	PASS
1,4-Dioxane Test	PASS / FAIL	Absent	PASS
Identification (IR)	PASS / FAIL	PASS	PASS
Melting Point	110 - 114°C	110.4 - 112.9°C	PASS
Moisture (KF)	≤ 1.0% w/w	0.38% w/w	PASS
pH (5%, water) @ 25°C	5.0 - 7.0	6.32	PASS
Purity	≥ 98.0%	99.3%	PASS
Solubility (in water and methanol)	PASS / FAIL	PASS	PASS
Specific Rotation (1%, water)	-34.5 - -28.5 degrees	-32.06 degrees	PASS
Assay by HPLC (on anhydrous basis)	98 - 101%	99.22%	PASS

DATE OF

Manufacture Date: _____ 09/29/2021

Reassay Date: _____ 07/2026

CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Toby Frericks
Quality Control

10/13/21
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.