Certificate of Analysis



An ISO 9001 Certified Company

IPTG (Isopropyl β -D-thiogalatopyranoside)

PRODUCT NUMBER	
IB02100	1gm
IB02105	5gm
IB02125	25gm

LOT NO. Lot#	23J5005
CAS NO.	
CAS#	367-93-1

STORAGE

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

SPECIFICATIONS	Specification	Analysis	Disposition
Abs. @300nm (5%, water)	≤ 0.13	0.056	PASS
Abs. @400nm (5%, water)	≤ 0.06	0.018	PASS
1,4-Dioxane Test	PASS / FAIL	Absent	PASS
Identification (IR)	PASS / FAIL	PASS	PASS
Melting Point	110 - 114°C	110.2 - 113.1°C	PASS
pH (5%, water) @ 25°C	5.0 - 7.0	6.132	PASS
Solubility (in water and methanol)	PASS / FAIL	PASS	PASS
Specific Rotation (1%, water)	-34.5 to -28.5 degrees	-31.94 degrees	PASS
Purity (HPLC)	98 - 101%	99.61%	PASS
Assay by HPLC (on anhydrous basis)	98 - 101% w/w	99.36%	PASS

DATE OF

Manufacture Date:	01/19/2023
Reassay Date:	01/2028

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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.

Abigail Wood

10/09/23 Date

Quality Control

Building Quality Scientific.