

Certificate of Analysis



SCIENTIFIC

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X-GAL (5'bromo-4-chloro-3-indolyl- β -D-galactopyranoside)

PRODUCT NUMBER

IB02260 _____ 1gm
IB02264 _____ 100mg
IB02265 _____ 25gm

LOT NO.

Lot# _____ 21A3005

STORAGE

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

CAS NO.

CAS# _____ 7240-90-6

SPECIFICATIONS

	Specification	Analysis	Disposition
Appearance, white to off-white crystals	PASS / FAIL	PASS	PASS
Color of Solution (1% in DMF / water 1:1)	Colorless	PASS	PASS
Turbidity (1% in DMF / water 1:1)	≤ 4.0 NTU	< 1.0 NTU	PASS
Water Content (K. Fischer)	$\leq 0.5\%$	0.1%	PASS
Purity (HPLC)	≥ 99.0 area %	99.0 area	PASS
TLC (50ml in 1ml DMF and 9ml of propanol; butanol/water 86:14; UV 254nm, sulfuric acid)	Corresponds	Corresponds	PASS
Specific Optical Rotation (alpha)	-63.5 - -59.5	-62.2	PASS
FT-IR Spectrum	Corresponds	Corresponds	PASS

DATE OF

Reassay Date: _____ 11/2024

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

01/15/21
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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