

CERTIFICATE OF ANALYSIS

PRODUCT NAME: X-Gal (5-Bromo-4-Chloro-3-Indolyl- β -D-Galactopyranoside)
CAS NO: 7240-90-6
BATCH NO: 21/MFM/2733
MANUFACTURING DATE: 06 November 2020
EXPIRY DATE (EXTENDED): 06 November 2023
MOLECULAR FORMULA: $C_{14}H_{15}BrClNO_6$
MOLECULAR WEIGHT: 408.6

TESTS	SPECS	RESULTS
Description	White Powder	Complies
Solubility	Soluble (2% dimethylformamide)	Complies
Identity – IR Spectrum	Conform	Complies
Moisture Content by KF	Not more than 1.0% w/w	0.1%
Purity (TLC)		100%
Optical Rotation	(C=1, DMF:H ₂ O=1:1)	-62.4°
Assay by HPLC	Not less than 98.00% w/w	99.6%

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26th April 2021