

TMB 085 – X-GAL (5-BROMO-4-CHLORO-3-INDOLYL-B-DGALACTOPYRANOSIDE)

REF NO: TBL/QA/SS/LC/TMB 085	STANDARD SPECIFICATION FOR X-GAL (5-BROMO-4- CHLORO-3-INDOLYL-B- DGALACTOPYRANOSIDE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 085

PRODUCT PROPERTIES

C.A.S Number	7240-90-6
Chemical Formula	C ₁₄ H ₁₅ BrClN ₂ O ₆
Formula weight	408.63
Functional Uses	5-Bromo-4-chloro-3-indolyl β-D-galactopyranoside has been used to confirm transduction of Caki-2/LacZ clones. It has also been used in blue-white selection of transformants.
Standard Packaging	100 mg. , 500 mg.& 1 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	A white crystalline powder

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Point	225-230°C
Assay	NLT – 98.0%
DNases/RNases	None detected

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

