



SPECIFICATIONS

Product	X-Gal (5-Bromo-4-Chloro-3-Indolyl- β -D-Galactopyranoside)
Product Code	BB0083 (DB0083)
Grade	Ultra Pure
Formula	C ₁₄ H ₁₅ BrClNO ₆
MW	408.6 g/mole
CAS#	7240-90-6

Test Items	Specification
Appearance	White to Off-white crystalline powder
Color of Solution(1% in DMF/water 1:1)	Colorless
Turbidity (1% in DMF/water 1:1)	≤4.0NTU
Water Content (K. Fischer)	≤0.5%
Purity (HPLC)	≥99.0 area-%
TLC (50mg in 1ml DMF and 9ml of propanol; butanol/water 86:14; UV 254nm, sulfuric acid)	Corresponds to reference material
Specific Optical Rotation [alpha] _D (c=1 in DMF/water 1:1; 20°C)	-63.5 to -59.5°
FT-IR Spectrum	Corresponds to reference spectrum

HPLC Conditions: 0.37 mg/ml, 50:50 Methanol : Water, 1ml/min. 290nm, Alltech Lichrosorb C-18 Column

Storage: -15 - -20°C