

Product Specification Sheet



Product Code : BIO-1020
Identifier : X-Gal
Grade : Biotechnology
Appearance : White crystalline powder
Molecular Formula : $C_{14}H_{15}BrClNO_5S$
Molecular Weight : 408.6 g/mol
Product Description : X-Gal is used in conjunction with IPTG to detect B-galactosidase activity.
Storage Condition : Store dry at $-20^{\circ}C$. Protect from light.

<u>Assay:</u>	<u>Specification:</u>
Purity (HPLC)	$\geq 99.00\%$
Color (1%, DMF/H ₂ O)	Colorless
Turbidity (1%, DMF/H ₂ O)	≤ 4.0 NTU
Moisture	$\leq 0.2\%$
Spec. Rotation α_D (c = 1 DMF/water 1:1; 20 °C)	- 62 to - 59°

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