

Certificate of Analysis

Product Name	Isopropyl-β-D-ThioGalactoPyranoside (IPTG)		
CAS NO.	367-93-1		
Batch No.	B2012002	Quantity	kg
Manufacture Date	2020.12.09	Retest date	2021.12.08
Date submitted	2020.12.15	Date printed	2020.12.15
Items	Standard		Results
Identification by IR	Conforms to that of reference spectra		Complies
Appearance	White Crystalline Powder		Complies
Purity (HPLC)	≥98.0%		99.1%
Specific Optical Rotation	-28.5°to -34.5°		-32.5°
Melting point	110-117°C		110.1-112.4°C
Water content(K.F.)	≤1.0%		0.92%
1,4-Dioxane	Not Detected		Complies
Attention	Protect from the light and store in a day place. (2-8°C)		
Conclusion	Accords with the enterprise standard		

Q.C. Manager _____

Date _____