

CM 23187 – ISOPROPYL β-D-THIOGALACTOSIDE, IPTG

REF NO: TBL/QA/SS/LC/3156	STANDARD SPECIFICATION FOR ISOPROPYL β -D- THIOGALACTOSIDE, IPTG	Rev. No: 03
Issue No: 04		Review Date:26/10/2024
Issue Date: 27/10/2021		Product code:3156

PRODUCT PROPERTIES

C.A.S Number	367-93-1
Chemical Formula	C ₉ H ₁₈ O ₅ S
Formula weight	238.3
Functional Uses	IPTG is commonly used in cloning procedures that require induction of β-galactosidase activity. It is used in conjunction with X-Gal or Blue-Gal in blue-white selection of recombinant bacterial colonies that induce expression of the lac operon in Escherichia coli.
Standard Packaging	1 gm., 5 gm. & 25 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to off white powder

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Point	122 – 126°C

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

