

TMB 041 – ISOPROPYL β -D-THIOGALACTOSIDE, IPTG

REF NO: TBL/QA/SS/LC/TMB 041	STANDARD SPECIFICATION FOR ISOPROPYL β-D- THIOGALACTOSIDE, IPTG	Rev. No: 03
Issue No: 04		Review Date: 26/10/2025
Issue Date: 27/10/2022		Product code: TMB 041

PRODUCT PROPERTIES

C.A.S Number	367-93-1
Chemical Formula	$C_9H_{18}O_5S$
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 Bluo-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 ⁰ C
DNases	Not detected
RNases	Not detected

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

