



SPECIFICATION

Isopropyl b-D-thiogalactopyranoside - non-animal origin

Product Code:	EI05931
Synonyms:	IPTG non-animal origin
CAS Number:	367-93-1
Chemical Formula:	$C_9H_{18}O_5S$
Molecular Weight:	238.3

TECHNICAL SPECIFICATION

Appearance:	White to almost white crystalline powder	
Purity (HPLC) (on dry basis):	min 99.0%	
Specific optical rotation $[a]_D$	$-31.5 \pm 3.0^\circ$	²⁰ (c=1, H ₂ O):
Melting point:	110 - 114°C	
Identity (IR):	Conforms to structure	
Solubility:	Soluble in water and methanol	
Heavy metals (Pb):	max 5ppm	
1,4-Dioxane:	Not detected	
pH (5% in water):	5.0 - 7.0	
Water content (Karl Fischer):	max 1.0%	