SPECIFICATION

Isopropyl b-D-thiogalactopyranoside

Product Code:	EI07011
Synonyms:	IPTG
CAS Number:	367-93-1
Chemical Formula:	$C_9H_{18}O_5S$
Molecular Weight:	238.30

TECHNICAL SPECIFICATION

Appearance:	White to almost white crystalline powder	
Purity (HPLC) (on dry basis):	min 99%	
Specific optical rotation $[a]_D$	-31.5 ± 3°	^{20} (c=1, H_2O):
Water content (Karl Fischer):	max 1%	
Melting point:	110 - 114°C	
Solubility:	Soluble in water and methanol	
pH (5% in water):	5.0 - 7.0	
1,4-Dioxane:	Not detected	

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