

Product Specification

Product Name: IPTG dioxane free $\geq 98\%$
Isopropyl β -D-Thiogalactosid

Item Nr.: 1010 MW: 238.3 g/mol C9H18O5S
CAS Nr.: 367-93-1 E.C.Nr.: EINECS: 206-703-0

Parameter	Methode	Specification	Unit
Appearance	visual	White crystalline powder	
Solubility	5% in H ₂ O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification	IR	corresp. with std.	
Assay	HPLC (as dry substance)	98.0 - 101.0	%
Purity	HPLC	> 98.0	%
Melting point		110.0 - 114.0	°C
Optical rotation	$[\alpha]_{20D}^{1\%}$ in H ₂ O	-28.5 - -34.0	°
pH	5% in H ₂ O	5.0 - 8.0	
A ₂₆₀	2% in H ₂ O	0.15	
A ₂₈₀	2% in H ₂ O	0.08	
Water	KF	<1.0	%
1,4-Dioxane		absent	

Storage: Keep well closed at -20 °C in a dark and dry place. No adverse effect of ambient temperatures in transit.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 03/31.01.2022