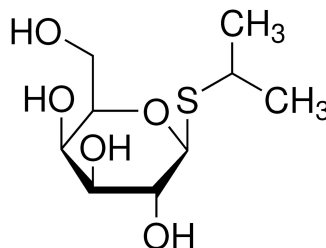


Product Specification

Product Name : IPTG $\geq 99\%$ (TLC), $\leq 0.1\%$ Dioxane
Product Number: I6758
CAS Number: 367-93-1
MDL Number : MFCD00063273
Storage Temperature : Cooler/Refrigerated
Molecular Formula: C₉H₁₈O₅S
Formula Weight: 238.30 g/mol



Test	Specification
Appearance (Form)	Powder
Appearance (Color)	White to Off-White
Solubility (Solvent)	Water
Solubility (Conc)	49.00 - 51.00 mg/mL
Solubility (Heating)	Yes or No
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless
Water (by Karl Fischer)	$\leq 5.00\%$
NMR (Solvent)	D2O
Identity by NMR	Consistent
Purity (TLC)	$\geq 99.00\%$
GC (Residual Solvent)	Dioxane
GC (% Residual Solvent)	$\leq 0.1000\%$
Specific Rotation (Solvent)	Water
Specific Rotation (Conc)	9.00 - 11.00 mg/mL

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Version Number: PRP.00.ZQ5.1126342

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For further information please contact mlsbranding@sial.com



Product Name: Isopropyl β -D-1-thiogalactopyranoside

Product Number: I6758-BULK

Test	Specification
Specific Rotation(Anhydr Corr)	-33.0 - -30.0 deg
Recommended Retest Period 5 Years	-----

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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