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Product Specification

Product Name:
Isopropyl β -D-1-thiogalactopyranoside - $\geq 99\%$ (TLC)

Product Number: I5502
CAS Number: 367-93-1

Formula: C₉H₁₈O₅S
Formula Weight: 238.3 g/mol
Storage Temperature: 2 - 8 °C

TEST	Specification
Appearance (Form)	Powder
Appearance (Colour)	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
NMR (Solvent)	D ₂ O
Identity by NMR	Consistent
Purity (TLC)	$\geq 99.00\%$
GC (Residual Solvent)	Dioxane
GC (% Residual Solvent)	10.0 - 22.0 %
Specific Rotation (Solvent)	Water
Specific Rotation (Conc)	9.00 - 11.00 mg/ml
Specific Rot.(Solv Free Corr.)	-38.00 - -27.00 deg
Initial Melting Point	≥ 116 °C
Final Melting Point	≤ 126 °C
Melting Point (range)	≤ 4 deg
Recommended Retest Period	-----
5 Years	

Specification: PRE.3.ZQ5.1000001422

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.