



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Isopropyl-beta-D-thiogalactopyranoside
Catalog Number: 102101_
Lot: 1505J_

Formula: C₉H₁₈O₅S

CAS #: 367-93-1

Physical Description: White Powder

Formula Weight: 238.3

Storage: -0°C, desiccate

Test	Specification	Result
Identity Test	Passes	Pass
Purity	≥99%	99.6%
FTIR	Conforms to Standard	Conforms to Standard
pH (4% aq)	4.5 - 6.5	5.1
Melting Point	105 - 115°C	111.4 - 113.2 °C
Optical Rotation (c=1, water)	-26° to -33°	-32.2°
Dioxane Content	For Information Only	<1 ppm

Water (KF): 0.4%

Purity (TLC): Single spot

Solubility (Sol. 5%, H₂O): Clear and colorless solution

03/13/2006 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)

