



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Isopropyl-beta-D-thiogalactopyranoside
Catalog Number: 222029
Lot: R26953

Formula: C₉H₁₈SO₅
CAS #: 367-93-1
Physical Description: White Powder

Formula Weight: 238.31
Storage: -0°C, desiccate

| Test | Specification | Result |
|---------------|----------------------|----------------------|
| Identity Test | Passes | Passes |
| FTIR | Conforms to Standard | Conforms to Standard |
| pH (4% aq) | 4.5 - 6.5 | 6.3 |
| Melting Point | 105 - 115°C | 112.1 - 112.9°C |

Optical Rotation: -32.1°
Dioxane Content: <1 ppm
Water: 0.4%
Assay (HPLC): 99.7%
Purity: (TLC): 99.9%
Solubility: Clear and Colorless Solution

Christina Marotta

01/24/2011 - Christina Marotta
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)