



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: p-Nitrophenyl-beta-D-galactopyranoside_
Catalog Number: 102472_
Lot: QR14162_

Formula: C₁₂H₁₅NO₈

CAS #: 3150-24-1

Physical Description: White Powder

Formula Weight: 301.30

Storage: -20°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	175 - 185°C	178.0 - 180.0° C
Optical Rotation (c=0.3, water)	-80° ± 5°	-77.2°

Solubility (1% aq soln): Clear Solution

Purity (TLC): >99.75%

4-Nitrophenol: <0.05%

Water Content (KF): 0.3%

TLC: Rf Corresponds to Reference

Recommended Retest Date: 05/18/2021

05/23/2017 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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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)

