

**MP Biomedicals, LLC**

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: 5-Bromo-4-chloro-3-indolyl-beta-D-galactopyranoside (X-GAL)_

Catalog Number: XGAL0100; XGAL0500; XGAL1000_

Lot: MR30078_

Formula: C₁₄H₁₅BrClNO₆

CAS #: 7240-90-6

Physical Description: White Powder

Formula Weight: 408.6

Storage: -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Assay (HPLC)	>99.0%	99.7% (HPLC)
Specific Rotation	-62 +2°	-62.0°
Water Content (KF)	<0.2%	0.1%
Solubility in DMF (Dimethylformamide)	Clear Solution	Clear Solution
Expiration Date	Month/Day/Year	1/31/2015

FTIR: Conforms to Standard

¹H-NMR: Conforming to Structure

01/29/2013 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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<mailto:biotech@mpbio.com>

<http://www.mpbio.com>

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)