



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Bismarck Brown Y_
Catalog Number: 150473_
Lot: QR12163_

Formula: C₁₈H₁₈N₈·2HCl

CAS #: 10114-58-6

Physical Description: Dark Brown Powder

Formula Weight: 419.32

Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
UV/Vis: □ max	452 - 457 nm (50% EtOH, few drops of 1N HCl)	453.3 nm (50% EtOH, drop of 1N HCl)

Strength: 101.08% (50 mg/litre toluene)
Insoluble: 0.42 (1gm/100 ml water)
Recommended Retest Date: 04/18/2018

04/20/2016 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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<mailto:biotech@mpbio.com>
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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)