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## Certificate of Analysis

**Product Description:** Bismark Brown Y\_  
**Catalog Number:** 150473\_  
**Lot:** 8036K\_

**Formula:** C<sub>18</sub>H<sub>18</sub>N<sub>8</sub>·2HCl

**CAS #:** 10114-58-6

**Physical Description:** Dark Reddish Brown Powder

**Formula Weight:** 419.32

**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
UV/Vis: □ max	452 - 457 nm (50% EtOH, few drops of 1N HCl)	456 nm (50% EtOH, few drops of 1N HCl)

Strength: 101.08% (50 mg/litre toluene)

Insoluble: 0.42 (1gm/100 ml water)

*Christina Marotta*

08/25/2010 - 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)