



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Violacein\_  
**Catalog Number:** 180907\_  
**Lot:** QR15721\_

**Formula:** C<sub>20</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>  
**CAS #:** 548-54-9  
**Physical Description:** Dark Violet Powder

**Formula Weight:** 343.34  
**Storage:** protect from light, 2 - 8°C

| Test             | Specification  | Result         |
|------------------|----------------|----------------|
| Source           | Iodobacter Sp. | Iodobacter Sp. |
| Purity (HPLC)    |                |                |
| 1-Violacein      | # 80%          | 81.2%          |
| 2-Deoxyviolacein | #20%           | 17.0%          |
| Total Purity     | #95%           | 98.2%          |

Solubility (turbidity): Clear  
Recommended Retest Date: 06/19/2019

06/21/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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