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## Certificate of Analysis

**Product Description:** Violacein\_  
**Catalog Number:** 180907\_  
**Lot:** Q2280\_

**Formula:** C<sub>20</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>

**CAS #:** 548-54-9

**Physical Description:** Deep 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%	80.0%
2-Deoxyviolacein	#20%	17.2%
Total Purity	#95%	97.2%

Solubility (turbidity): Clear

Recommended Retest Date: 03/31/2016

05/19/2015 - John Huang, PhD  
MP Biomedicals, LLC.  
Senior QC Chemist

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