

## Certificate of Analysis

**Product Description:** Polymyxin B Sulfate

**Catalog Number:** 100565

**Lot:** YC0623

**Formula:** C<sub>55</sub>H<sub>96</sub>N<sub>16</sub>O<sub>13</sub>·2H<sub>2</sub>SO<sub>4</sub>

**CAS #:** 1405-20-5

**Physical Description:** White Powder

**Formula Weight:** 1385.63

**Storage:** Desiccate, 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Potency	>6,000 u/mg	7420 u/mg
FTIR	Conforms to Standard	Conforms to Standard
pH (1% aq soln)	5 - 7	6.3
Loss on Drying	<8%	4.0%

Residue on Ignition: 0.14%

Organic Impurities

-Any Individual Impurity: 1.8%

-Total Impurities: 6.6%

Polymyxin B3: 1.5%

Polymyxin B1-I: 8.6%

Sum of Polymyxin B1, B2, B3 and B1-I: 93.5%

TAMC: <1 CFU/g

TYMC: <1 CFU/g

Recommended Retest Date (MM/DD/YYYY): 08/05/2024



09/15/2022 - Lily Liu

MP Biomedicals, LLC.

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