



## Specification

### Polymixin B Sulfate

**CAS Number:** 1405-20-5  
**Molecular 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>  
**Molecular Weight:** 1385.61  
**Storage:** 2-8°C

Test	Specification
Appearance:	White to Light Yellow Powder
Identification:	Pass Test
pH (0.5% Solution):	5.0 - 7.5
Loss on Drying:	≤ 7.0 %
Single Impurity:	≤ 3.0 %
Total impurities:	≤ 17.0 %
Bacteria Colonies:	Bacteria Colonies: ≤ 10/g
Ecoli Colonies:	Should not be found
Fungi and Yeast colonies:	≤ 10/g
Assay, HPLC (on dried basis) (Sum of polymixin B1,B2, B3 and B1-1):	≥ 80.0 %
Assay, HPLC (on dried basis) (Polymyxin B3):	≤ 6.0 %
Assay, HPLC (on dried basis) (Polymyxin B1-1):	≤ 15.0 %
Assay (Dried Basis):	≥ 6000 U/mg
Assay (Wet Basis):	Report U/mg

Approved:

John Grubb, PhD  
Gojira Fine Chemicals

Date: May 7, 2020



**Gojira Fine Chemicals, LLC**  
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