



# CERTIFICATE OF ANALYSIS

## POLYMYXIN B SULFATE

**SYNONYMS** : Polymyxin B Sulfate Salt  
**PRODUCT CODE (SKU)** : 41610036-1      **MOLECULAR FORMULA** : C<sub>55</sub>H<sub>100</sub>N<sub>16</sub>O<sub>21</sub>S<sub>2</sub>  
**PRODUCT SIZE** : 25 MU      **MOLECULAR WEIGHT** : 1385.62 g/mol  
**CAS NUMBER** : 1405-20-5      **STORAGE TEMP.** : 2-8°C  
**LOT NUMBER** : V18070301      **REASSAY/ EXP DATE** : 12/2021

PROPERTIES	SPECIFICATIONS	TEST RESULTS
<b>Appearance:</b>	Solid Powder	PASS
<b>Color:</b>	White to Off-White	PASS
<b>Assay:</b>	> 6500 IU/mg	8828 IU/mg
<b>Solubility:</b>	Soluble in Water	PASS
<b>Optical rotation:</b>	-78° to -90°	-79°
<b>pH:</b>	5.0-7.5 (2% Solution)	5.3
<b>Loss on drying:</b>	<= 7%	5%
<b>Residue on ignition:</b>	<= 1%	0.12%
<b>Sulfate:</b>	15.5-17.5%	16.3%
<b>Sulphated Ash:</b>	<= 0.75%	0.12%
<b>Heavy metals:</b>	<= 20 ppm	< 20 ppm

APPROVED BY:

DATE:  
07-09-2018

Kayleigh Humphries  
Quality Assurance

CREATION DATE: 07-09-2018 PRINT DATE: 07-26-2018

The above information is based upon data received from our supplier or our quality control measurements.



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