

Product Specification

Product Name :	Polymyxin B sulfate meets USP testing specifications
Product Number:	P0972
CAS Number:	1405-20-5
Storage Temperature :	Cooler/Refrigerated
Molecular Formula:	$C_{55}H_{96}N_{16}O_{13} \cdot 2H_2SO_4$
Formula Weight:	1385.61

Test	Specification
pH	5.0 - 7.5
Loss on Drying	≤ 7.0%
Assay	≥ 6000
microbial (on dried basis) IU/mg	
Composition of Polymyxins	≥ 80.0%
Sum of polymyxins B1,B2,B3,B1-I	
Composition of Polymyxins	≤ 6.0%
Polymyxins B3	
Composition of Polymyxins	≤ 15.0%
Polymyxins B1-I	
Identification (USP)	Conforms
Residue on Ignition	≤ 5.0%
Organic Impurities	≤ 3.0%
Any individual impurity	
Total Impurities	≤ 17.0%
Managed by	Expiration Date
Results Provided by Supplier	-----
Shelf Life Defined by Supplier	-----
Handled & Packed Under ISO9001	-----

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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