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## CERTIFICATE OF ANALYSIS

Analysis Date:

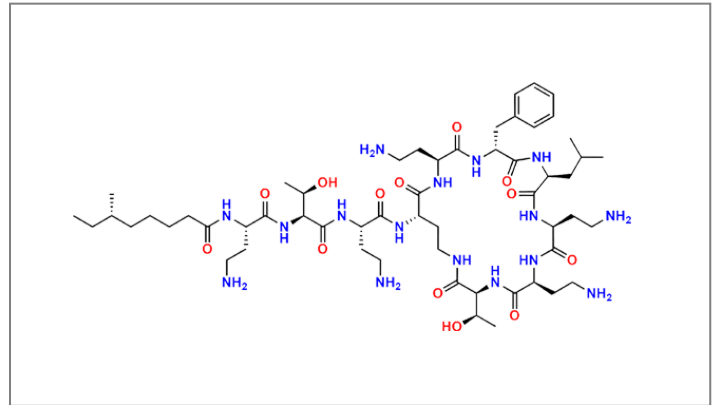
Re-test Date:

**Product Name: Polymyxin B1**

### Identification:

Chemical Name: N-[(S)-4-Amino-1-[[[(2S,3R)-1-[[[(S)-4-amino-1-oxo-1-[(3S,6S,9S,12S,15S,18S,21S)-6,9,18-tris(2-aminoethyl)-15-benzyl-3-[(R)-1-hydroxyethyl]-12-isobutyl-2,5,8,11,14,17,20-heptaaxo-1,4,7,10,13,16,19-heptaazacyclotricosan-21-yl]amino)butan-2-yl]amino}-3-hydroxy-1-oxobutan-2-yl]amino}-1-oxobutan-2-yl]-6-methyloctanamide (as per USP)

Synonyms : NA  
CAS Number : 4135-11-9  
CAT Number : CP-P142014  
Molecular Formula : C<sub>56</sub>H<sub>98</sub>N<sub>16</sub>O<sub>13</sub>  
Molecular Weight : 1203.50



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

**Prepared and Reviewed By**

**Approved By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.