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## CERTIFICATE OF ANALYSIS

Analysis Date:

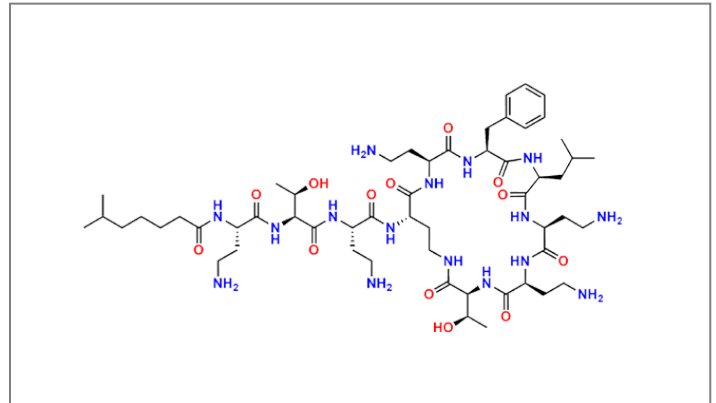
Re-test Date:

**Product Name: Polymyxin B2**

### 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-hepta-oxo-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-methylheptanamide (as per USP)

Synonyms : NA  
CAS Number : 34503-87-2  
CAT Number : CP-P142013  
Molecular Formula : C<sub>55</sub>H<sub>96</sub>N<sub>16</sub>O<sub>13</sub>  
Molecular Weight : 1189.47



### 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.