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## CERTIFICATE OF ANALYSIS

Analysis Date:

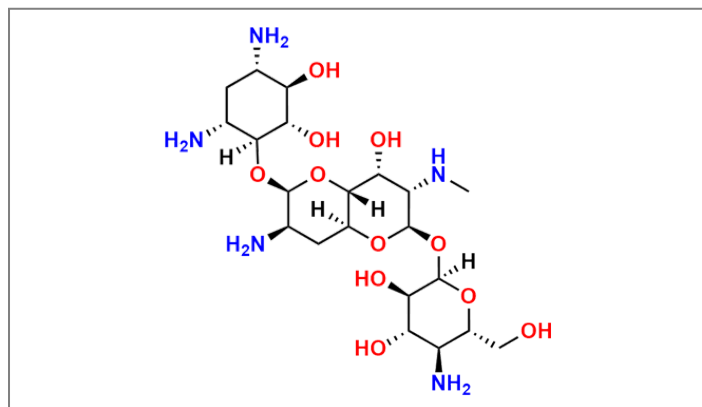
Re-test Date:

**Product Name: Apramycin (In House Standard)**

### Identification:

Chemical Name: (2R,3R,4S,5S,6S)-5-Amino-2-(((2R,3S,4R,4aR,6S,7R,8aS)-7-amino-6-(((1R,2R,3S,4R,6S)-4,6-diamino-2,3-dihydroxycyclohexyl)oxy)-4-hydroxy-3-(methylamino)octahydropyrano[3,2-b]pyran-2-yl)oxy)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4-diol

Synonyms : L-Arginine (USP)  
CAS Number : 37321-09-8  
CAT Number : CP-A105000  
Molecular Formula : C<sub>21</sub>H<sub>41</sub>N<sub>5</sub>O<sub>11</sub>  
Molecular Weight : 539.58



### 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 | >98%                     |
| 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.