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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Spinosyn D

Identification:

 $\label{eq:chemical Name: (2S,3aR,5aS,5bS,9S,13S,14R,16aS,16bS)-13-(((2R,5S,6R)-5-(Dimethylamino)-6-methyltetrahydro-2H-pyran-2-yl)oxy)-9-ethyl-4,14-dimethyl-2-(((2R,3R,4R,5S,6S)-3,4,5-trimethoxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-1H-as-indaceno[3,2-d][1]oxacyclododecine-7,15-dione$

Synonyms:NACAS Number:131929-63-0CAT Number:CP-S112002Molecular Formula:C42H67N010Molecular Weight:746

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 |

Ms Priyanka Salunkhe (Manager QC Analytical)

Prepared and Reviewed By

Approved By

Ms Rohini Gagare (QA Head)

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