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CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2023

Re-test Date: Aug 2026

Product Name: Clarithromycin EP Impurity E

Identification:

Chemical Name: (3R,4S,5S,6R,7R,9R,11R,12R,13R,14R)-6-(((2S,3R,4S,6R)-4-(Dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-14-ethyl-13-hydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-7,12-dimethoxy-3,5,7,9,11,13-hexamethyloxacyclotetradecane-2,10-dione

Synonyms : Clarithromycin USP Related
Compound A ; 6,11-Di-O-methylerythromycin A

CAS Number : 81103-14-2

CAT Number : CP-C1005

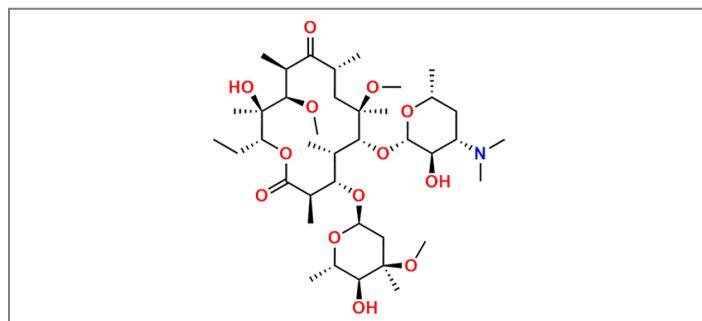
Molecular Formula : C₃₉H₇₁N₂O₁₃

Molecular Weight : 761.98

Batch Number : CP-CLA-E-0923

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	92.78%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.397%
9)	Potency by TGA	92.38%



Prepared and Reviewed By

A handwritten signature in black ink, appearing to read "Shubham Bondre", written over a horizontal line.

Mr. Shubham Bondre
(Quality Control)

Approved By

A handwritten signature in black ink, appearing to read "Abhijit Kale", written over a horizontal line.

Mr. Abhijit Kale
(Quality Assurance)

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