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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2025

Re-test Date: Nov 2027

**Product Name: Azithromycin EP Impurity C**

### Identification:

Chemical Name: (2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-13-[(2,6-Dideoxy-3-C-methyl- $\alpha$ -L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14- heptamethyl-11-[[3,4,6-trideoxy-3-dimethylamino- $\beta$ -D-xylo-hexopyranosyl]oxy]-1-oxa-6-azacyclopentadecan-15-one (as per USP)

Synonyms : 3'-O-demethylazithromycin (as per EP & USP) ; Azithromycin C (EP & USP)

CAS Number : 620169-47-3

CAT Number : CP-A37003

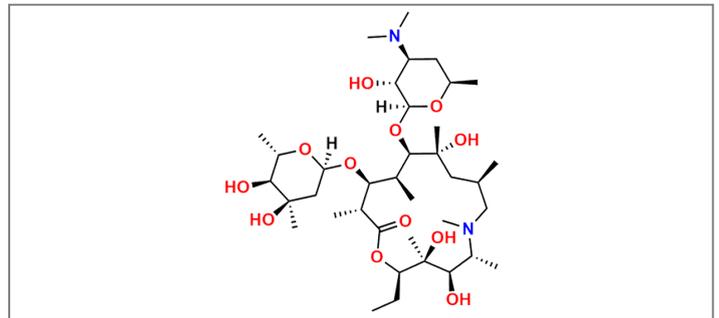
Molecular Formula : C<sub>37</sub>H<sub>70</sub>N<sub>2</sub>O<sub>12</sub>

Molecular Weight : 734.98

Batch Number : CP-AZI-C-1225

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	99.85%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	0.794%
7)	Potency by TGA	99.06%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

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