

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA001015-03)

Release Date: 28/03/2026

Re-test Date: 27/03/2029

## AZITHROMYCIN IMPURITY F

### Identification

**Chemical Name :**

3'-N-demethyl-3'-N-formylazithromycin (as per EP & USP)

**Alt. Name**

: Azithromycin USP Related Compound F ; Azithromycin Mycinmethylformamido Analog (USP)

**CAT No.**

: KMA001015

**CAS No.**

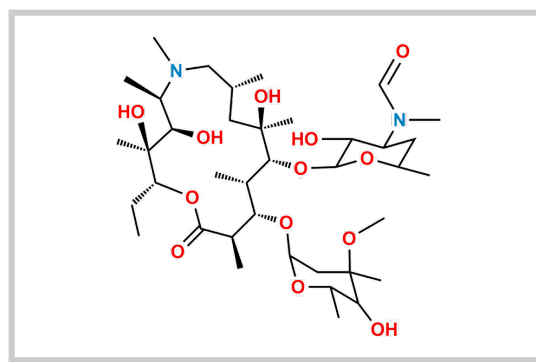
: 612069-28-0

**Molecular Formula**

: C38H70N2O13

**Molecular Weight**

: 763.0



### Analytical Information

**Batch No.**

: A001015-114-229

**Solubility**

: ACN : Water

**Description**

: White Solid

**Mass**

: Confirm

**HPLC Purity**

: 92.07 %

**IR**

: Confirm

**Weight Loss By TGA**

: 0.96 %

**1H NMR**

: Confirm

**% Potency**

: 91.19 %

### Additional Information

**Long Term Storage**

: Store at 2-8 deg. C for long term storage

**Shipping Condition**

: Product is stable to be Shipped at Room Temperature

**% Potency** =  $[100 - 0.96(\text{Weight Loss By TGA})] \times [92.07(\text{HPLC Purity})]/100 = 91.19 \%$

**Recommendation**

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		28/03/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA