CERTIFICATE OF ANALYSIS

(Certificate No. KMA001037-01)

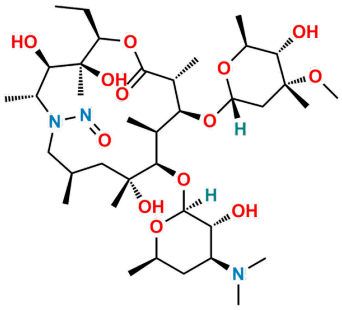
Release Date: 30/03/2026 **Re-test Date:** 29/03/2029

N-NITROSO OF ZTA-III

Identification

Chemical Name :
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-11-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-2-ethyl-3,4,10-trihydroxy-13-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3,5,8,10,12,14-hexamethyl-6-nitroso-1-oxa-6-azacyclopentadecan-15-one (Mixture of E/Z Isomer)

Alt. Name	: N-Nitroso Azaerythromycin A ; N-Nitroso N-Desmethyl Azithromycin
CAT No.	: KMA001037
CAS No.	: Not Available
Molecular Formula	: C37H69N3O13
Molecular Weight	: 764



Analytical Information

Batch No.	: AZA-ZTA-N-NO-045-265	**Solubility**	: *Refer in Additional information
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 96.78 %	**IR**	: Confirm
Weight Loss By TGA	: 4.89 %	**1H NMR**	: Confirm
% Potency	: 92.05 %	**13C NMR**	: Confirm

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 - 4.89(Weight Loss By TGA)] x [96.78(HPLC Purity)]/100 = 92.05 %
-Mixture of isomer
-Re-tested on 30.03.2026
*Solubility: Insoluble in Water and Freely Soluble in 5mg/1.0 ml methanol

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Vekariya		30/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		30/03/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA