CERTIFICATE OF ANALYSIS

(Certificate No. KMA001002-01)

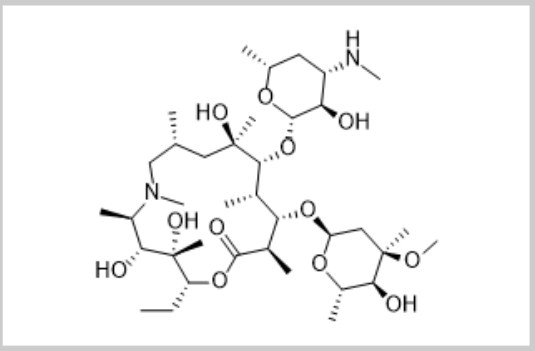
Release Date: 25/05/2024 **Re-test Date:** 24/05/2027

N-Demethylazithromycin

Identification

Chemical Name :
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,4,10-trihydroxy-13-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-11-(((2S,3R,4S,6R)-3-hydroxy-6-methyl-4-(methylamino)tetrahydro-2H-pyran-2-yl)oxy)-3,5,6,8,10,12,14-heptamethyl-1-oxa-6-azacyclopentadecan-15-one

Alt. Name	: N'-Desmethyl Azithromycin; N-Demethylazithromycin (USP)
CAT No.	: KMA001002
CAS No.	: 172617-84-4
Molecular Formula	: C37H70N2O12
Molecular Weight	: 734.96



Analytical Information

Batch No.	: AZI-I-073-220	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 95.94 %	**IR**	: Confirm
Weight Loss By TGA	: 1.01 %	**1H NMR**	: Confirm
% Potency	: 94.97 %		

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 - 1.01(Weight Loss By TGA)] x [95.94(HPLC Purity)]/100 = 94.97 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		26/07/2025

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