CERTIFICATE OF ANALYSIS

(Certificate No. KMD013005-03)

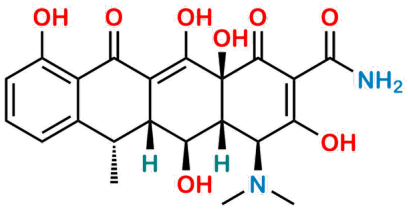
Release Date: 23/06/2026 **Re-test Date:** 22/06/2029

6-Epi Doxycycline

Identification

Chemical Name :
(4S,4aR,5S,5aR,6S,12aS)-4-(Dimethylamino)-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide

Alt. Name	: Doxycycline USP Related Ccompound A ; 6-Epidoxycycline
CAT No.	: KMD013005
CAS No.	: 3219-99-6 ; 41411-66-9 (HCl Salt)
Molecular Formula	: C22H24N2O8
Molecular Weight	: 444.4



Analytical Information

Batch No.	: D013005-136-056	**Solubility**	: Water
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 92.56 %	**IR**	: Confirm
Weight Loss By TGA	: 1.57 %	**1H NMR**	: Confirm
% Potency	: 91.11 %		

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 - 1.57(Weight Loss By TGA)] x [92.56(HPLC Purity)]/100 = 91.11 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		23/06/2026

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