CERTIFICATE OF ANALYSIS

(Certificate No. KMD013005-01)

Release Date: 25/06/2025 **Re-test Date:** 24/06/2028

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

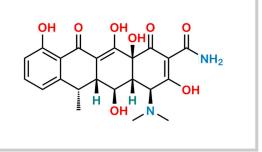
A; 6-Epidoxycycline

CAT No. : KMD013005

CAS No. : 3219-99-6 ; 41411-66-9 (HCl Salt)

Molecular Formula : C22H24N2O8

Molecular Weight : 444.4



Analytical Information

Batch No. : D013005-102-095 **Solubility** : Water **Description** : Confirm : Light Yellow Solid Mass **HPLC Purity** : 96.00 % IR : Confirm Weight Loss By TGA 1H NMR : Confirm : 2.34 % % Potency : 93.75 % **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 - 2.34(Weight Loss By TGA)] x [96.00(HPLC Purity)]/100 = 93.75 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		25/06/2025

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