

CERTIFICATE OF ANALYSIS

(Certificate No. KMA010005-01)

Release Date: 11/12/2024

Re-test Date: 10/12/2027

Amitriptyline EP Impurity A

Identification

Chemical Name :
10,11-Dihydro-5H-dibenzo[a,d][7]annulen-5-one (as per EP)

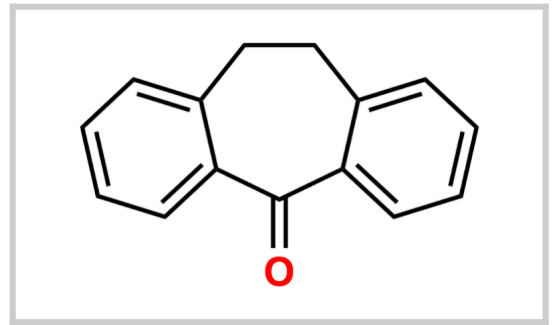
Alt. Name : Amitriptyline USP Related Compound
A ; Dibenzosuberone (EP & USP)

CAT No. : KMA010005

CAS No. : 1210-35-1

Molecular Formula : C₁₅H₁₂O

Molecular Weight : 208.3



Analytical Information

Batch No. : A010005-091-072

Description : Yellow Liquid

HPLC Purity : 98.33 %

Weight Loss By TGA : 0.04 %

% Potency : 98.29 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H 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 - 0.04(Weight Loss By TGA)] x [98.33(HPLC Purity)]/100 = 98.29 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		31/12/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA