

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA010005-01)

Release Date: 11/12/2024

Re-test Date: 10/12/2027

## Dibenzosuberone RS / Working Standard

### Identification

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

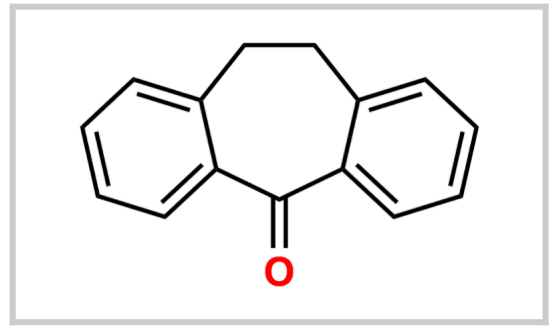
**Alt. Name** : Amitriptyline USP Related Compound  
A ; Dibenzosuberone (EP & USP)

**CAT No.** : KMA010005

**CAS No.** : 1210-35-1

**Molecular Formula** : C<sub>15</sub>H<sub>12</sub>O

**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

**<sup>1</sup>H 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** =  $[100 - 0.04(\text{Weight Loss By TGA})] \times [98.33(\text{HPLC Purity})]/100 = 98.29 \%$

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		17/12/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		17/12/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA