

CERTIFICATE OF ANALYSIS

(Certificate No. KMC015005-01)

Release Date: 09/05/2024

Re-test Date: 08/05/2027

Clomipramine EP Impurity B

Identification

Chemical Name :

3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-N,N-dimethylpropan-1-amine hydrochloride

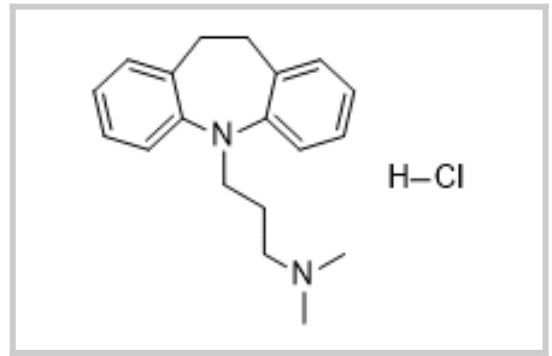
Alt. Name : Imipramine Hydrochloride (USP)

CAT No. : KMC015005

CAS No. : 113-52-0

Molecular Formula : C₁₉H₂₄N₂ : HCl

Molecular Weight : 280.41 : 36.5



Analytical Information

Batch No. : CLO-EPB-073-201

Solubility : Water

Description : Off White Solid

Mass : Confirm

HPLC Purity : 99.98 %

IR : Confirm

Weight Loss By TGA : 0.55 %

¹H NMR : Confirm

% Potency : 99.43 %

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 - 0.55(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.43 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		10/05/2024

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