CERTIFICATE OF ANALYSIS

(Certificate No. KMM020013-01)

Release Date: 22/10/2024 **Re-test Date:** 21/10/2027

Mirtazapine EP Impurity A

Identification

Chemical Name:

(14bRS)-2-methyl-1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine 2-oxide (as per EP)

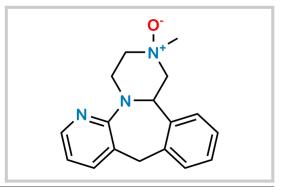
Alt. Name : Mirtazapine EP Impurity A ;

Mirtazapine USP Related Compound B

; Mirtazapine N-Oxide ;

CAT No. : KMM020013 **CAS No.** : 155172-12-6 **Molecular Formula** : C17H19N30

Molecular Weight : 281.4



Analytical Information

Description : Confirm : White Solid **Mass HPLC Purity** : 95.17 % IR : Confirm Weight Loss By TGA : Confirm : 1.78 % 1H NMR % Potency : 93.48 % **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 - 1.78(Weight Loss By TGA)] x [95.17(HPLC Purity)]/100 = 93.48 %

-13CNMR added on 05.02.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		06/02/2025

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