CERTIFICATE OF ANALYSIS

(Certificate No. KMC017008-01)

Release Date: 12/12/2024 **Re-test Date:** 11/12/2027

Clozapine Impurity A

Identification

Chemical Name:

8-Chloro-11-(piperazin-1-yl)-5H-dibenzo[b,e][1,4]diazepine (as per EP)

Alt. Name : Clozapine impurity A (USP);

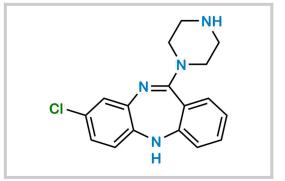
Clozapine EP Impurity C (as per EP)

CAT No. : KMC017008

CAS No. : 6104-71-8

Molecular Formula : C17H17ClN4

Molecular Weight : 312.8



Analytical Information

Batch No. : C017008-091-082 **Solubility** : Acetonitrile **Description** : Yellow Solid **Mass** : Confirm : 99.23 % **HPLC Purity** IR : Confirm Weight Loss By TGA : 3.93 % 1H NMR : Confirm % Potency : 95.33 % **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 - 3.93(Weight Loss By TGA)] x [99.23(HPLC Purity)]/100 = 95.33 %

Recommendation : Released

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

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