

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001008-01)

Release Date: 27/05/2024

Re-test Date: 26/05/2027

Quetiapine HEEP Impurity

Identification

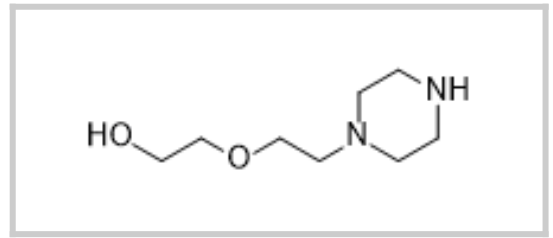
Chemical Name :
2-(2-(piperazin-1-yl)ethoxy)ethanol

CAT No. : KMQ001008

CAS No. : 13349-82-1

Molecular Formula : C₈H₁₈N₂O₂

Molecular Weight : 174.24



Analytical Information

Batch No. : QUE-HEEP-073-232

Solubility : MDC

Description : Colorless Thick Syrup

Mass : Confirm

GC Purity : 100.00 %

IR : Confirm

Weight Loss By TGA : 0.61 %

¹H NMR : Confirm

% Potency : 99.39 %

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 - 0.61(Weight Loss By TGA)] x [100.00(GC Purity)]/100 = 99.39 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		27/05/2024

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