

# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001008-01)

Release Date: 27/05/2024

Re-test Date: 26/05/2027

## Quetiapine HEEP Impurity

### Identification

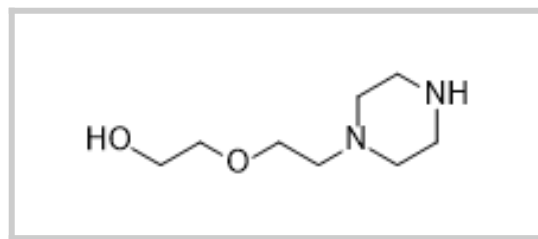
Chemical Name :  
2-(2-(piperazin-1-yl)ethoxy)ethanol

CAT No. : KMQ001008

CAS No. : 13349-82-1

Molecular Formula : C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

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 %

<sup>1</sup>H NMR : Confirm

% Potency : 99.39 %

<sup>13</sup>C 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, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA