

# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001049-02)

Release Date: 22/01/2025

Re-test Date: 21/01/2028

## N-Ethyl Quetiapine

### Identification

**Chemical Name :**

11-(4-Ethylpiperazin-1-yl)dibenzo[b,f][1,4]thiazepine (as per EP)

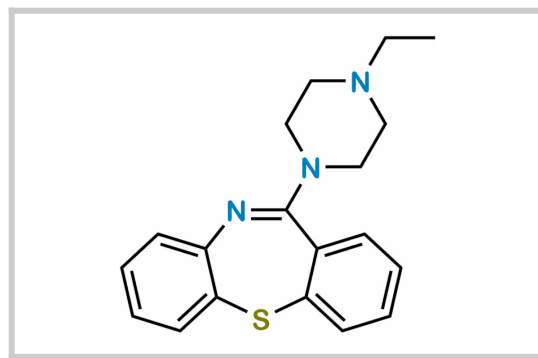
**Alt. Name** : N-Ethyl Quetiapine (USP)

**CAT No.** : KMQ001049

**CAS No.** : 1011758-03-4

**Molecular Formula** : C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>S

**Molecular Weight** : 323.5



### Analytical Information

**Batch No.** : Q001049-091-145

**Description** : White Solid

**HPLC Purity** : 99.20 %

**Weight Loss By TGA** : 0.19 %

**% Potency** : 99.01 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.19(Weight Loss By TGA)] x [99.20(HPLC Purity)]/100 = 99.01 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/02/2025
Reviewed & Approved By	Quality Control	Ravi Patel		22/02/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA