

# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001049-03)

Release Date: 27/02/2026

Re-test Date: 26/02/2029

## N-Ethyl Quetiapine

### Identification

**Chemical Name :**

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

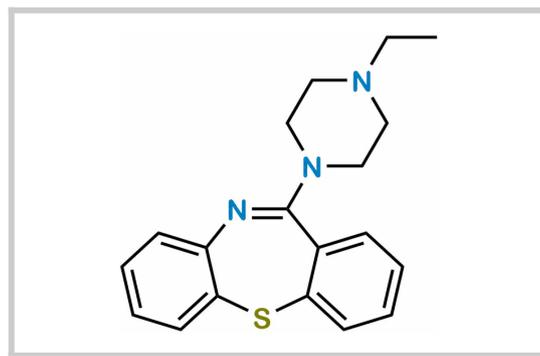
**Alt. Name** : N-Ethyl Quetiapine (USP)

**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.** : Q001049-114-183

**Description** : Colorless Thick Syrup

**HPLC Purity** : 99.26 %

**Weight Loss By TGA** : 1.14 %

**% Potency** : 98.13 %

**Solubility** : ACN : WATER

**Mass** : Confirm

**IR** : Confirm

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

**<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 - 1.14(Weight Loss By TGA)] x [99.26(HPLC Purity)]/100 = 98.13 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		27/02/2026

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA