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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

Product Name: Quetiapine EP Impurity T

Identification:

Chemical Name: 11-(morpholin-4-yl)dibenzo[b,f][1,4]thiazepine

Synonyms : NA

CAS Number : 5747-46-6

CAT Number : CP-Q1020

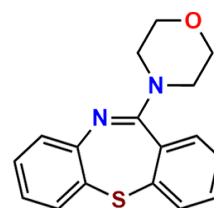
Molecular Formula : C₁₇H₁₆N₂O₂S

Molecular Weight : 296.39

Batch Number : CHEM-QUE-T

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

| Sr. No. | Test | Result |
|---------|--------------------|----------------------------|
| 1) | Description | White To Pale Yellow Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 96.19% |
| 5) | ¹ H NMR | Confirm to structure |
| 6) | IR | Confirm to structure |
| 7) | Weight loss by TGA | - |
| 8) | Potency by TGA | - |



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.