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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2027

**Product Name: Quetiapine EP Impurity U**

### Identification:

Chemical Name: Dibenzo[b,f][1,4]thiazepin-11-amine

Synonyms : NA

CAS Number : 5786-26-5

CAT Number : CP-Q1021

Molecular Formula : C<sub>13</sub>H<sub>10</sub>N<sub>2</sub>S

Molecular Weight : 226.30

Batch Number : CP-QUE-U-0623

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	Gray Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	92.04%
5)	<sup>1</sup> HNMR	Confirm to structure



### 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.