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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

Product Name: Quetiapine EP Impurity G

Identification:

Chemical Name: Dibenzo[b,f][1,4]thiazepin-11(10H)-one (as per EP)

Synonyms : Quetiapine DBTO Metabolite ;
Quetiapine Lactam ; Quetiapine
USP Related Compound G

CAS Number : 3159-07-7

CAT Number : CP-Q1007

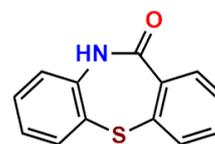
Molecular Formula : C₁₃H₉NOS

Molecular Weight : 227.28

Batch Number : CHEM-QUE-G

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.92%
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	0.53%
8)	Potency by TGA	98.39%



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.