CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001004-02)

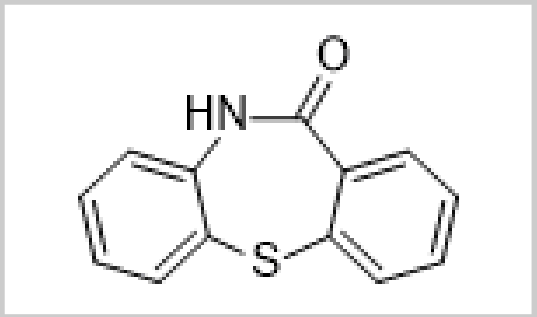
Release Date: 08/02/2024 **Re-test Date:** 07/02/2027

Quetiapine Fumarate Imp-G

Identification

Chemical Name :
dibenzo[b,f][1,4]thiazepin-11(10H)-one

Alt. Name	: Quetiapine EP Impurity G, Quetiapine Lactam, Quetiapine DBTO Metabolite
CAT No.	: KMQ001004
CAS No.	: 3159-07-7
Molecular Formula	: C13H9NOS
Molecular Weight	: 227.28



Analytical Information

Batch No.	: QUE-RCG-073-071	**Solubility**	: Acetonitrile
Description	: Off White Crystalline Solid	**Mass**	: Confirm
HPLC Purity	: 98.44 %	**IR**	: Confirm
Weight Loss By TGA	: 0.01 %	**1H NMR**	: Confirm
% Potency	: 98.43 %		

Additional Information

Long Term Storage : Store at Ambient temperature for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 0.01(Weight Loss By TGA)] x [98.44(HPLC Purity)]/100 = 98.43 %

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, 1HNMR, IR and TGA