

Certificate of Analysis

Reference Material

Product Name:	Quetiapine Impurity 57	Catalogue Number:	C4X-124457
Chemical Name:	N/A	Lot Number:	0612-RE-0006
CAS Number:	N/A	Expiry Date:	Jun 13, 2027
Molecular Formula:	C ₁₂ H ₂₇ N ₂ O ₄ Cl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	263.35 35.45		
Chemical Structure:	N/A		

Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.822%
Residue on Ignition	TGA	0.2958%
Loss On Drying	TGA	2.5209%
Assay		97.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity ELSD (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Yuki

Reviewed by:

Hin Lam

Aproved by General manager:

David

Date: Jun 14, 2023

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