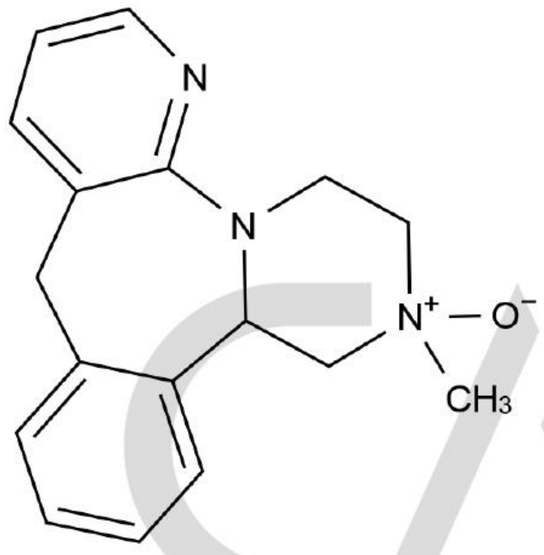
Certificate of Analysis

Reference Material & Standard

Product Name:	Mirtazapine EP Impurity A	**Catalogue Number:**	C4X-15113
Synonyms:	N/A	**Lot Number:**	1017-RE-0022
CAS Number:	155172-12-6	**Expiry Date:**	Sep 07, 2029
Molecular Formula:	$C_{17}H_{19}N_3O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	281.35	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	95.761%
Residue on Ignition	TGA	1.7277%
Loss on Drying	TGA	8.0500%
Assay		86.4%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Aug 28, 2026

Reviewed by: Koi Date: Aug 28, 2026

Approved by General Manager: David Date: Aug 28, 2026

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