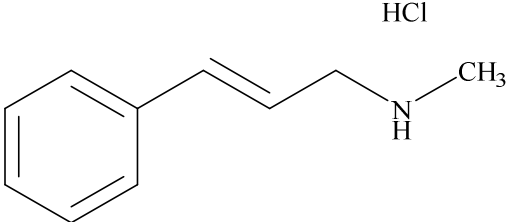


# Certificate of Analysis

Certificate No.: 20200319014

Date: March 19, 2020

Retest date: March 17, 2023

<b>Compound Name:</b>	<b>Atomoxetine Impurity 14 HCl</b>	
<b>Synonyms:</b>	<i>(E)</i> - <i>N</i> -methyl-3-phenylprop-2-en-1-amine, hydrochloride (1:1)	
<b>TLC Catalogue Number:</b>	A-2530	
<b>CAS Number:</b>	116939-14-1	
<b>Molecular Weight:</b>	147.22 36.46	
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>13</sub> N. HCl	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	3795-027A4	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Elemental Analysis</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.9%</b>
<b>Recommendation:</b>	<b>Released.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Analytical Services		
Approved by:	Quality Assurance		

**Attachments:** HPLC, IR, MS and NMR spectra.