

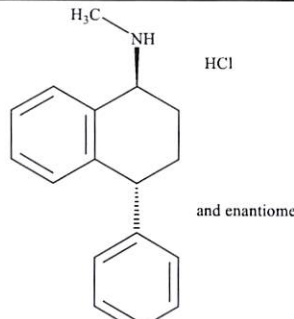
## Certificate of Analysis

Certificate No.: 20260526015



Date: May 26, 2026

Retest date: May 20, 2029

<b>Compound Name:</b> <i>trans</i> -Sertraline EP Impurity B HCl	
<b>Synonyms:</b>	<i>rel</i> -(1 <i>S</i> ,4 <i>R</i> )- <i>N</i> -methyl-4-phenyl-1,2,3,4-tetrahydronaphthalen-1-amine, hydrochloride (1:1)
<b>TLC Catalogue Number:</b>	S-0380
<b>CAS Number:</b>	52758-06-2
<b>Alternate CAS Number:</b>	52758-04-0 (free base)
<b>Molecular Weight:</b>	237.35 36.46
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>19</sub> N. HCl
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	7236-023A5
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, Ethanol, DMF



Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.2%</b>
<b>Impurity (HPLC)</b>	RT 4.42, 0.13%; RT 8.51, 0.71%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Residual Solvents (NMR)</b>	0.4% methanol	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.6%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/26/2026
Approved by:	Quality Assurance		05/26/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.