

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB1717	
<b>Compound name</b>	Sertraline hydrochloride	
<b>Chemical name</b>	(1S,4S)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine hydrochloride	
<b>Batch number</b>	E2115-1-1	
<b>Batch molecular formula</b>	C <sub>17</sub> H <sub>17</sub> Cl <sub>2</sub> N.HCl	
<b>Batch molecular weight</b>	342.69	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

04/11/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.