



Certificate of analysis

Product name: Atomoxetine hydrochloride

Cas number: 82248-59-7

Molecular Formula: C₁₇H₂₁NO·HCl

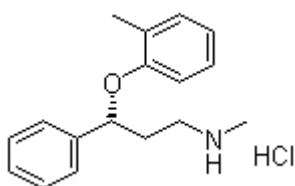
Molecular Weight: 291.82

Date of production: May. 18, 2013

Batch NO: 20130518

Exp Date: May. 17, 2015

Chemical structure:



Items	Enterprise standards	Analytical results
Characteristics	White crystalline powder	Conforms
Identification	The infrared absorption spectrum similar to the reference spectrum of standard	Conforms
Heavy Metals, ppm	≤20ppm	Conforms
Melting point	168.0~172.0°C	170.1~171.2°C
Specific Rotation	-37.0 ~ -44.0°	-41.4°
Atomoxetine S-Isomer	≤0.3%	0.1%
PH	5.0~7.0	5.1
Residue on ignition	≤0.1%	0.03%
Loss on Drying	≤0.5%	0.2%
Total impurities	≤1.0%	0.2%
Residual solvents: A: ethyl acetate B: ethanol	≤0.2% ≤0.2%	0.008% 0.01%
Assay (HPLC)	≥99.0%	99.69%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F