



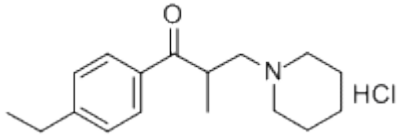
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

## CERTIFICATE OF ANALYSIS

NO: **DYC082003301**

Product name	Eperison Hydrochloride
CAS Number	56839-43-1
Molecule Structure	
Molecule Formula	C17H26ClNO
Batch number	19030902
Manuf. Date&Exp Date:	2019-02-12&2021-02-11
Testing Date:	2019-03-04

Items	Standard	Result
Description	White or practically white crystalline powder ,having a especial odor, Soluble in water and methanol, very slightly soluble in acetone, and soluble in HCL (9-1000) solution	white crystalline powder ,having a especial odor, Soluble in water and methanol, very slightly soluble in acetone, and soluble in HCL (9-1000) solution
Melting range	168-174℃	169.2-169.9℃
Identification		
(1) chemical reaction	Pink flocculent deposits should be formed	Forming pink flocculent deposits
(2)UV spectrum	The absorption spectrum exhibits maximum at the wavelength of 261±2nm	Exhibits maximum at the wavelength of 261nm
(3)infrared spectrum	Infrared absorption spectra should be in agreement with that of reference standard	Be in agreement with the spectra of reference standard
(4)chemical reaction	The aqueous solution of the product should show the reaction of chloride identification(I)	Showing the reaction of chloride identification(I)
Examination		
Acidity	PH value of 4.5-6.0	5.08

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangan Area, Hangzhou, China

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Related substances	The single impurity peak area should not be more than the main peak area of the control solution (0.2%) The total peak area of each impurity should not be more than 2.5 times of the main peak area of the control solution(0.5%)	0.12%  0.14%
Loss on drying	Not more than 1.0%	0.04%
Residue on ignition	Not more than 0.1%	0.04%
Heavy metals	Not more than 20ppm	Less than 20ppm
Residual solvent	Ethanol: not more than 0.5% Acetone : not more than 0.5% Dichloromethane: not more than 0.06% Isopropanol: not more than 0.5% Trichloromethane: not more than 0.006%	Undetected  0.014%  0.03%  0.09%  Undetected
Assay	Contains C <sub>17</sub> H <sub>25</sub> NO.HCL: not less than 99%, calculated on the dried basis	99.8%
<b>Microbial limit</b>		
Bacteria amount	not more than 10 <sup>3</sup> cfu/g	Less than 10 <sup>3</sup> cfu/g
Mould and microzyme amount	not more than 10 <sup>2</sup> cfu/g	Less than 10 <sup>2</sup> cfu/g
Escherichia coil	Should be undetected	undetected

Hangzhou Dingyan Chem Co., Ltd.  
Quality Control: *Paula*

CHECK: 姚仙娟

INSPECTOR: 刘清风

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