

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	37814
Lot Number	003341-202305002
Product	Duloxetine hydrochloride (S)-(+)-N-Methyl-3-(1-naphthyloxy)-3-(2-thienyl)propylamine
CAS Number	136434-34-9
Molecular Formula	C ₁₈ H ₁₉ NOS•HCl
Molecular Weight	333.87

Appearance	White to almost white powder
Solubility	Sparingly soluble in water, freely soluble in methanol, practically insoluble in hexane
Heavy Metals	< 10 ppm
Mould and Yeast	< 100 cfu/g
Optical Rotation	[α] _{20D} = 123 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.16%
Residual Solvents	Methanol : Not detected Acetone : 146 ppm Toluene : Not detected
E. Coli	Not detected
Microbial Count	100 cfu/g (TAB)
Related Substances	Enantiomeric purity : Impurity A 0.21% Impurity F: 0.05% Impurity phenol : (210nm) : Not detected Unspecified impurities : 0.02% Total impurities : 0.04%
Sulfated Ash	0.02%
Assay	99.9%
Storage	Store at 2 - 8 °C
Additional Information	Granularity : Reference data : d (0.9) : 122 μm

Certificate of Analysis

Catalog Number: 37814

Lot Number: 003341-202305002

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager