

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD014020-01)

Release Date: 23/03/2025

Re-test Date: 22/03/2028

## DULOXETINE-DLXRC-2 IMPURITY

### Identification

**Chemical Name :**

(S)-N-methyl-3-(naphthalen-1-yloxy)-3-(thiophen-3-yl)propan-1-amine

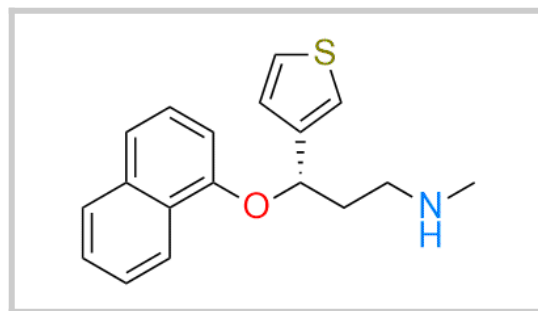
**Alt. Name** : Duloxetine USP Related Compound F

**CAT No.** : KMD014020

**CAS No.** : 959392-22-4

**Molecular Formula** : C<sub>18</sub>H<sub>19</sub>NOS

**Molecular Weight** : 297.4



### Analytical Information

**Batch No.** : D014020-091-291

**Description** : Light Brown Thick Syrup

**HPLC Purity** : 97.53 %

**Weight Loss By TGA** : 2.18 %

**% Potency** : 95.4 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 2.18(Weight Loss By TGA)] x [97.53(HPLC Purity)]/100 = 95.4 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		02/04/2025

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA