

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-21 15:18:41  
Date of Next Testing: 2029-08-20 15:18:41  
Product Name: **Duloxetine Hydrochloride**  
CAS Number: 136434-34-9  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: K2115053  
SKU #: **D123291**  
Version: **0**  
Analysis #: **557848**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                | Limit Values           | Result                |
|----------------------------------------------------------|------------------------|-----------------------|
| Purity(HPLC)                                             | 98-100 (%)             | 98.51000 %            |
| Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in MeOH})$ | 120-124 ( $^{\circ}$ ) | 123.90 $^{\circ}$     |
| Appearance (D123291)                                     | white to beige powder  | white to beige powder |
| Proton NMR spectrum                                      | Conforms to Structure  | Conforms to Structure |



John Su  
QA & QC Manager