

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-01 14:13:53  
Date of Next Testing: 2027-02-28 14:13:53  
Product Name: **Duloxetine Hydrochloride**  
CAS Number: 136434-34-9  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: B2327169  
SKU #: **D123291**  
Version: **0**  
Analysis #: **155287**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.65800 %
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in MeOH})$	120-124 ( $^{\circ}$ )	124.00 $^{\circ}$
Appearance (D123291)	white to beige powder	white to beige powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager