

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-20 15:26:34

Date of Next Testing: 2030-05-19 15:26:34

Product Name: (R)-(-)-NBD-APy [(R)-(-)-4-Nitro-7-(3-aminopyrrolidin-1-yl)-2,1,3-benzoxadiazole] [HPLC Labeling Reagent for e.e. Determination]

CAS Number: 143112-51-0

Specifications & Purity: ≥98%(HPLC)

Lot #: G2228456

SKU #: R160857

Version: 1

Analysis #: 708370

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.67000 %
Specific rotation [α] ₂₀ /D(C=0.2, CH ₃ CN)	-15--11 (°)	-11.29900 °
Appearance(R160857)	Orange to Brown to Deep yellow red crystalline powder or powder to crystal	Orange to Brown to Deep yellow red crystalline powder or powder to crystal
Effect test of HPLC derivatization	Effective as labeling agent fo Ibuprofen	Effective as labeling agent fo Ibuprofen
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager