

Certificate of Analysis

Date of Testing: 2022-06-16 10:11:18

Date of Next Testing: 2026-06-15 10:11:18

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: >98.0%(HPLC)

Lot #: F2210200

SKU #: R160857

Analysis: 092162

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.70000 %
Specific rotation $[\alpha]_{20/D}(C=0.2, CH_3CN)$ -15 - -11 (°)		-11.30000 °
Appearance(R160857)	Orange to Brown powder to crystal	Orange to Brown 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