

Certificate of Analysis

Date of Testing: 2022-10-31 18:44:38

Date of Next Testing: 2026-10-30 18:44:38

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

CAS Number: 143112-49-6

Specifications & Purity: >98.0%(HPLC)

Lot #: J2221662

SKU #: R160932

Analysis: 131261

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.70000 %
Optical purity(LC)	99-100 (%)	99.90 %
Melting point	126-135 (°C)	130.30000 °C
Specific rotation [α] _{20/D(C=1,CH₃CN)} -7~-3 (°)		-4.70000 °
Effect test of HPLC derivatization	Effective as labeling agent fo Ibuprofen	Effective as labeling agent fo Ibuprofen
Appearance(R160932)	Light yellow to Brown powder to crystal	Light yellow to Brown powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager