

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-18 10:24:10
 Date of Next Testing: 2030-05-17 10:24:10
 Product Name: (S)-(+)-NBD-Py-NCS [= (S)-(+)-4-(3-Isothiocyanatopyrrolidin-1-yl)-7-nitro-2,1,3-benzoxadiazole] [HPLC Labeling Reagent for e.e. Determination]
 CAS Number: 163927-30-8
 Specifications & Purity: ≥98%(HPLC)
 Lot #: H2202489
 SKU #: S160991
 Version: 1
 Analysis #: 703661
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.90000 %
Specific rotation [α] ₂₀ /D(C=0.2, CH ₃ CN)	530-600 (°)	536.57000 °
Appearance(S160991)	Light yellow to Brown powder to crystal	Light yellow to Brown powder to crystal
Effect test of HPLC derivatization	Effective as labeling agent for DL-Valine, DL-Phenylalanine	Effective as labeling agent for DL-Valine, DL-Phenylalanine
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager