

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-12 18:05:01  
 Date of Next Testing: 2027-08-11 18:05:01  
 Product Name: **NBD-CO-Hz [=4-(N-Hydrazinocarbonylmethyl-N-methylamino)-7-nitro-2,1,3-benzoxadiazole] [for HPLC Labeling]**  
 CAS Number: 221263-97-4  
 Specifications & Purity: >95.0%(HPLC)  
 Lot #: H2309762  
 SKU #: **N159214**  
**Analysis: 213445**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	95.70000 %
Nitrogen by Elemental Analysis	30-33.15 (%)	31.52 %
Appearance(N159214)	Light yellow to Amber to Dark green to Deep yellow red powder to crystal	Light yellow to Amber to Dark green to Deep yellow red 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