

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-08 13:10:13

Date of Next Testing: 2027-04-07 13:10:13

Product Name: (DHQD)2PHAL

CAS Number: 140853-10-7

Specifications & Purity: ≥95%

Lot #: C2324793

SKU #: D111399

Version: 0

Analysis #: 173186

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₂ /D(c=1 in MeOH)	-272.5--252.5 (°)	-259.39700 °
Purity(HPLC)	95-100 (%)	98.03400 %
Appearance (D111399)	Off-White to Light Yellow Powder or Solid	Off-White to Light Yellow Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager