

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-08 12:39:35

Date of Next Testing: 2027-04-07 12:39:35

Product Name: **(DHQD)2PHAL**

CAS Number: 140853-10-7

Specifications & Purity: $\geq 95\%$

Lot #: C2324795

SKU #: **D111399**

Version: **0**

Analysis #: **173186**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{22}^D(c=1 \text{ in MeOH})$	-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