

## Certificate of Analysis

Date of Testing: 2023-04-08 13:29:14

Date of Next Testing: 2027-04-07 13:29:14

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

CAS Number: 140853-10-7

Specifications & Purity:  $\geq 95\%$

Lot #: C2324783

SKU #: **D111399**

Version: **0**

Analysis #: **173186**

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <sub>D</sub> <sup>22</sup> /D(c=1 in MeOH)	-272.5--252.5 (°)	-259.40 °
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