

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-17 14:22:49

Date of Next Testing: 2029-10-16 14:22:49

Product Name: (DHQ)2PHAL

CAS Number: 140924-50-1

Specifications & Purity: $\geq 95\%$

Lot #: A2207508

SKU #: D111398

Version: 1

Analysis #: 588141

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.08000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	333-338 (°)	337.50 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager