

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-13 17:38:12

Date of Next Testing: 2026-06-12 17:38:12

Product Name: **(DHQD)<sub>2</sub>AQN**

CAS Number: 176298-44-5

Specifications & Purity:  $\geq 98\%$

Lot #: F2308498

SKU #: **D467156**

Version: **1**

Analysis #: **217715**

Storage Temperature: Room temperature

| Parameter                                                                   | Limit Values                                       | Result                                             |
|-----------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC area)                                                           | 98-100 (%)                                         | 99.59900 %                                         |
| specific rotation<br>[ $\alpha$ ] <sub>20/D</sub> (c=1%,CHCL <sub>3</sub> ) | -511~-481 (°)                                      | -509.20000 °                                       |
| Appearance(D467156)                                                         | Yellow to Very Dark Yellow and Yellow-Green Powder | Yellow to Very Dark Yellow and Yellow-Green Powder |
| Proton NMR spectrum                                                         | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager