

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-24 09:32:18

Date of Next Testing: 2028-06-23 09:32:18

Product Name: **Methacycline**

CAS Number: 914-00-1

Specifications & Purity:  $\geq 90\%$ 

Lot #: F2512522

SKU #: **M743765**

Version: **1**

Analysis #: **533798**

Storage Temperature: Store at  $-20^{\circ}\text{C}$ 

| Parameter                                               | Limit Values                    | Result                          |
|---------------------------------------------------------|---------------------------------|---------------------------------|
| Purity(HPLC area)                                       | 90-100 (%)                      | 92.98000 %                      |
| Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ MeOH})}$ | -333~-300 ( $^{\circ}$ )        | -312.00000 $^{\circ}$           |
| Appearance(M743765)                                     | Yellow to Very Dark Brown Solid | Yellow to Very Dark Brown Solid |
| NMR Spectrum 1H                                         | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager