

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-17 18:40:16

Date of Next Testing: 2028-06-06 18:40:16

Product Name: **Colchicine**

CAS Number: 64-86-8

Specifications & Purity: Moligand™, for plant cell culture, ≥98%(HPLC)

Lot #: F2608207

SKU #: **C106740**

Version: **2**

Analysis #: **680829**

Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                           | Limit Values           | Result                 |
|---------------------------------------------------------------------|------------------------|------------------------|
| Carbon by Elemental Analysis                                        | 62.8-67.5 (%)          | 64.26200 %             |
| Nitrogen by Elemental Analysis                                      | 3.2-3.8 (%)            | 3.29900 %              |
| Purity(HPLC)                                                        | 98-100 (%)             | 99.89300 %             |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in EtOH)                 | -240--230 (°)          | -230.60000 °           |
| Solvent Content Ethyl Acetate(by NMR)                               | 0-8 (%)                | 6.30000 %              |
| Appearance (C106740)                                                | White to Yellow Powder | White to Yellow Powder |
| Solubility in EtOH , Yellow to yellow-green, clear to hazy, 50mg/ml | pass                   | Pass                   |
| Plant cell culture test                                             | pass                   | Pass                   |
| Proton NMR spectrum                                                 | Conforms to Structure  | Conforms to Structure  |



John Su  
QA & QC Manager