

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-08-14 10:05:15

Date of Next Testing: 2030-08-13 10:05:15

Product Name: **(R)-(+)-4-Chloro-3-hydroxybutyronitrile**

CAS Number: 84367-31-7

Specifications & Purity:  $\geq 97\%$

Lot #: L2201678

SKU #: **C123021**

Version: **0**

Analysis #: **758825**

Storage Temperature: Room temperature, Argon charged

| Parameter                                          | Limit Values               | Result                     |
|----------------------------------------------------|----------------------------|----------------------------|
| Purity(GC)                                         | 97-100 (%)                 | 97.22600 %                 |
| Density (20°C)                                     | 1.248-1.252                | 1.25010                    |
| Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$ | 12-14 (°)                  | 13.85400 °                 |
| Refractive index $n_{20/D}$                        | 1.472-1.476                | 1.47360                    |
| Appearance (C123021)                               | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Infrared spectrum                                  | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager