

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-02 17:46:54
Date of Next Testing: 2026-03-01 17:46:54
Product Name: **Ectoine**
CAS Number: 96702-03-3
Specifications & Purity: $\geq 97\%$
Lot #: B2327352
SKU #: **E305040**
Analysis: **148161**
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|--|---|---|
| Purity(HPLC) | 97-100 (%) | 98.70700 % |
| specific rotation $[\alpha]_{20/D(C=1, MeOH)}$ | 165-175 (°) | 174.97000 ° |
| Appearance (E305040) | White to Almost white powder to crystal | White to Almost white powder to crystal |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager