

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-19 11:05:45  
 Date of Next Testing: 2027-05-19 11:05:45  
 Product Name: **Ectoine**  
 CAS Number: 96702-03-3  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: E2615401  
 SKU #: **E292674**  
 Version: **2**  
 Analysis #: **698793**  
 Storage Temperature: Store at 2-8°C, Protected from light

| Parameter                                                           | Limit Values                             | Result                                   |
|---------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC)                                                        | 99-100 (%)                               | 100.00000 %                              |
| Specific rotation $[\alpha]_{20/D}(C=1g/100ml$<br>H <sub>2</sub> O) | 139-145 (°)                              | 139.50000 °                              |
| Appearance(E292674)                                                 | White to Off White Powder or<br>Crystals | White to Off White Powder or<br>Crystals |
| NMR Spectrum 1H                                                     | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager