

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-02 17:58:33  
Date of Next Testing: 2026-03-01 17:58:33  
Product Name: **Ectoine**  
CAS Number: 96702-03-3  
Specifications & Purity:  $\geq 97\%$   
Lot #: B2327331  
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