

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-25 09:41:06  
Date of Next Testing: 2025-03-24 09:41:06  
Product Name: **Ectoine**  
CAS Number: 96702-03-3  
Specifications & Purity:  $\geq 97\%$   
Lot #: C2223243  
SKU #: **E305040**  
**Analysis:** **073726**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.65900 %
specific rotation $[\alpha]_{20/D(C=1, MeOH)}$	165-175 (°)	174.99000 °
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