

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-12 11:23:53  
Date of Next Testing: 2027-03-12 11:23:53  
Product Name: **Ectoine**  
CAS Number: 96702-03-3  
Specifications & Purity:  $\geq 97\%$   
Lot #: E2112123  
SKU #: **E305040**  
**Analysis:** **329143**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.52000 %
specific rotation $[\alpha]_{20/D(C=1, MeOH)}$	165-175 (°)	174.93000 °
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