

## Certificate of Analysis

Date of Testing: 2023-05-17 15:16:08  
Date of Next Testing: 2027-05-16 15:16:08  
Product Name: **L-Alanamine Hydrochloride**  
CAS Number: 33208-99-0  
Specifications & Purity: 97%  
Lot #: E2312141  
SKU #: **A117207**  
**Analysis:** **062229**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=1 in MeOH)	9-13 (°)	12.08°
Purity(with Total Nitrogen)	97-100 (%)	99.81%
Melting point	214-218 (°C)	217.98000 °C
Appearance (A117207)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager