

## Certificate of Analysis

Date of Testing: 2024-08-07 08:59:21  
Date of Next Testing: 2027-08-07 08:59:21  
Product Name: **D-Alanine Isopropyl Ester Hydrochloride**  
CAS Number: 39613-92-8  
Specifications & Purity: 98%  
Lot #: H2405309  
SKU #: **D303645**  
Version: **2**  
Analysis #: **391717**  
Storage Temperature: Store at -20°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 MeOH)	-3.5--1.5 (°)	-2.25°
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	102.20%
Appearance (D303645)	white to off-white powder or crystal	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager