

## Certificate of Analysis

Date of Testing: 2023-07-10 16:47:18  
Date of Next Testing: 2026-07-09 16:47:18  
Product Name: **D-Serine ethyl ester hydrochloride**  
CAS Number: 104055-46-1  
Specifications & Purity: 97%  
Lot #: G2305101  
SKU #: **D188981**  
**Analysis: 028736**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	96.5-102.5 (%)	101.34 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	4-5.5 (°)	5.00°
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager