

## Certificate of Analysis

Date of Testing: 2023-05-08 17:31:15  
Date of Next Testing: 2025-05-07 17:31:15  
Product Name: **L-Glutamic acid dimethyl ester hydrochloride**  
CAS Number: 23150-65-4  
Specifications & Purity: 98%  
Lot #: E2305571  
SKU #: **G109003**  
**Analysis: 168186**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	98-102 (%)	100.00 %
Specific Rotation [α] <sub>20</sub> /D(c=5 in H <sub>2</sub> O)	24-28 (°)	24.21 °
Appearance (G109003)	White to Almost white to yellow powder to crystal	White to Almost white to yellow powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager