

## Certificate of Analysis

Date of Testing: 2023-08-15 15:14:56  
Date of Next Testing: 2027-08-14 15:14:56  
Product Name: **N-Carbobenzoxy-L-glutamic Acid**  
CAS Number: 1155-62-0  
Specifications & Purity: 98%  
Lot #: H2310376  
SKU #: **C113129**  
Analysis: **220153**

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-102 (%)	99.35 %
Specific Rotation [α] <sub>20</sub> /D(c=8 in AcOH)	-8--7 (°)	-7.12°
Melting point	118-122 (°C)	120.11000 °C
Appearance (C113129)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager