

## Certificate of Analysis

Date of Testing: 2024-09-21 16:23:01  
Date of Next Testing: 2028-09-20 16:23:01  
Product Name: **D-Glutamic acid**  
CAS Number: 6893-26-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: I2411356  
SKU #: **G100444**  
Version: **1**  
Analysis #: **405609**

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.95 %
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in HCl}(1+5))}$	-33--30 ( $^{\circ}$ )	-30.68 $^{\circ}$
Appearance (G100444)	White to Off-White Powder	White to Off-White Powder
Solubility in 0.5 M HCl , Colorless,Clear at 50 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager