

## Certificate of Analysis

Date of Testing: 2024-03-15 13:40:07  
Date of Next Testing: 2028-03-14 13:40:07  
Product Name: **L-γ-Glutamyl-p-nitroanilide Monohydrate**  
CAS Number: 7300-59-6  
Specifications & Purity: 98%  
Lot #: C2407081  
SKU #: **S161136**  
**Analysis:** **308692**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-9 (%)	5.80 %
Purity(HPLC)	98-100 (%)	98.70800 %
Melting point	175-181 (°C)	180.90000 °C
Specific Rotation [α] <sub>20</sub> /D(c=2 in 0.5 M HCL)	29-35 (°)	34.89°
Appearance (S161136)	White to Green-Yellow to Yellow Solid	White to Green-Yellow to Yellow Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager