

## Certificate of Analysis

Date of Testing: 2024-01-15 14:53:46  
Date of Next Testing: 2028-01-14 14:53:46  
Product Name: **L-γ-Glutamyl-p-nitroanilide Monohydrate**  
CAS Number: 7300-59-6  
Specifications & Purity: 98%  
Lot #: A2411814  
SKU #: **S161136**  
**Analysis:** **304406**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.50700 %
Melting point	175-181 (°C)	180.15000 °C
Specific Rotation [α] <sub>20</sub> /D(c=2 in 0.5 M HCL)	29-35 (°)	34.90°
Water by Karl Fischer	0-9 (%)	8.95 %
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