

Certificate of Analysis

Date of Testing: 2023-09-13 13:38:40
Date of Next Testing: 2025-09-12 13:38:40
Product Name: **5-Benzyl-D-Glutamate**
CAS Number: 2578-33-8
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: K2116221
SKU #: **B136140**
Analysis: **275489**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.52440%
Melting point	167-178 (°C)	168.90000 °C
Purity(Neutralization titration)	98-100 (%)	98.26 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L HCl})$	-31--25 (°)	-27.60°
Appearance (B136140)	white to off-white powder or flakes	white to off-white powder or flakes
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager