

Certificate of Analysis

Date of Testing: 2022-02-24 09:06:22
Date of Next Testing: 2026-02-23 09:06:22
Product Name: **N-Z-L-Homoserine lactone**
CAS Number: 35677-89-5
Specifications & Purity: $\geq 98\%$
Lot #: B2221122
SKU #: **Z100972**
Version: **1**
Analysis #: **067380**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1$ in MeOH)	-34--30 (°)	-33.42°
Purity(HPLC)	98-100 (%)	98.90300 %
Melting point	127-132 (°C)	127.86000 °C
Appearance(Z100972)	White to Almost white powder to crystal	White to Almost white powder to crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager