

Certificate of Analysis

Date of Testing: 2023-02-24 20:17:29

Date of Next Testing: 2027-02-23 20:17:29

Product Name: **(S)- α -Amino- γ -butyrolactone hydrochloride**

CAS Number: 2185-03-7

Specifications & Purity: 97%

Lot #: B2321037

SKU #: **A101211**

Analysis: **191526**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration)	96.5-103.5 (%)	99.66 %
Specific Rotation [a] ₂₀ /D(c=0.2 in EtOH)	-28--25 (°)	-27.90 °
Melting point	210-220 (°C)	219.90000 °C
Appearance (A101211)	white to brown powder	White to brown powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , very few cloudy	pass	Pass



John Su
QA & QC Manager