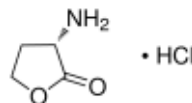


Certificate of Analysis

Product Name:

L-Homoserine lactone hydrochloride

Product Number: H7890
Batch Number: SLCG7532
Brand: SIGMA
CAS Number: 2185-02-6
MDL Number: MFCD00058172
Formula: C₄H₇NO₂ · HCl
Formula Weight: 137.56 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 31 JUL 2020



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Very Faint Yellow	Colorless
Solubility (Turbidity)	Clear to Slightly Hazy	Slightly Hazy
50 mg/ml, H ₂ O		
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	34.0 - 35.8 %	34.8 %
Nitrogen	9.9 - 10.5 %	10.1 %
Specific Rotation	-28.5 - -26.0 °	-28.5 °
C = 5, H ₂ O at 25 deg C		
Titration by AgNO ₃	≥ 98 %	99 %

Brian Dulle, Supervisor
 Quality Assurance
 St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

