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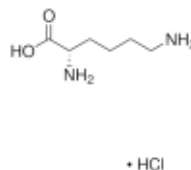
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

L-Lysine monohydrochloride - reagent grade, ≥98% (HPLC)

Product Number: L5626
Batch Number: SLCG1112
Brand: SIAL
CAS Number: 657-27-2
MDL Number: MFCD00064564
Formula: C₆H₁₄N₂O₂ · HCl
Formula Weight: 182.65 g/mol
Quality Release Date: 17 APR 2020
Recommended Retest Date: APR 2026



Test	Specification	Result
Appearance (Color)	White to Off White	Off-White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Very Faint Yellow	Almost Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H ₂ O		
Carbon	38.0 - 41.0 %	39.4 %
Nitrogen	14.8 - 15.8 %	15.0 %
Specific Rotation	20.4 - 21.4 °	20.6 °
(c = 8 in 6 N HCl at 25 deg C)		
Purity (HPLC)	≥ 98 %	100 %

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.