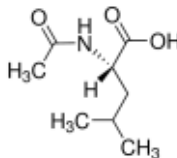


Certificate of Analysis

Product Name:

N-Acetyl-L-leucine - ReagentPlus®, 99%

Product Number: 441511
Batch Number: MKCX5210
Brand: ALDRICH
CAS Number: 1188-21-2
MDL Number: MFCD00065131
Formula: C₈H₁₅NO₃
Formula Weight: 173.21 g/mol
Quality Release Date: 27 MAR 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	54.6 - 56.3 %	55.3 %
Nitrogen	7.8 - 8.4 %	8.0 %
Optical Rotation c = 2%; Ethanol	-26.0 - -20.0 deg	-22.4 deg
Purity (TLC)	≥ 99 %	> 99 %
Solubility (Turbidity) c = 5% In Ethanol	Clear	Clear
Solubility (Color)	Colorless	Colorless

Larry Coers, Director
Quality Control
Milwaukee, WI 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.

