

Specification

Technical Data Sheet

CAS**61-90-5****STORAGE****Ambient****MOLECULAR WEIGHT****131.17****PRODUCT****L-Leucine ph. Eur grade**

Product number	90036349
CAS number	61-90-5
Molecular formula	C ₆ H ₁₃ NO ₂
Molecular weight	131.17 g/mol

PARAMETER**SPECIFICATION**

Appearance	White or almost white, crystalline powder or shiny flakes.
Assay	98.5 ~ 101.0%
Conclusion	EP8.0
Impurity A	(570nm) ≤0.8%
Loss on Drying	≤0.5%
Specific rotation	+14.5° ~ +16.5°
Total impurity	≤1.0%
Appearance of Solution	BY6
Chloride (Cl-)	≤200ppm
Heavy Metals (Pb)	≤10ppm
Iron (Fe)	≤10ppm
Ninhydrin positive substances - For each impurity	≤0.2%
Sulphated Ash	≤0.1%
Ammonium (NH₄)	(570nm) ≤0.02%
Sulphates (SO₄)(2-)	≤300ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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