

Specification

Technical Data Sheet

CAS**61-90-5****STORAGE****Ambient****MOLECULAR WEIGHT****131.17****PRODUCT****L-Leucine USP Grade**

Product number	90037535
CAS number	61-90-5
Molecular formula	C ₆ H ₁₃ NO ₂
Molecular weight	131.17 g/mol

PARAMETER**SPECIFICATION**

Appearance	White crystal
Assay	98.5% - 101.5%
Conclusion	Conforms to USP standard
Identification	IR: Conforms to reference
Loss on Drying	≤0.2%
pH	5.5 - 7.0
Total plate count	≤1000CFU/g
Bacterial endotoxins	≤25EU/g
Chloride (Cl-)	≤0.05%
Individual impurity	≤0.5%
Iron (Fe)	≤30ppm
Optical Rotation	+14.9° - +17.3°
Residue on Ignition	≤0.4%
Total Impurities	≤2.0%
E. Coli	Negative
Mould & Yeast	≤100CFU/g

PARAMETER

SPECIFICATION

Sulphates (SO₄)(2-)

≤0.03%

**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.

Reg No 6879903 VAT GB 744 9721 05