

Specification

Technical Data Sheet

CAS**73-22-3****STORAGE****Ambient****MOLECULAR WEIGHT****204.23****PRODUCT****L-Tryptophan (EP)**

Product number	90031531
CAS number	73-22-3
Molecular formula	C ₁₁ H ₁₂ N ₂ O ₂
Molecular weight	204.23 g/mol

PARAMETER**SPECIFICATION**

Appearance	White or almost white, crystalline or amorphous powder.
Assay	98.5-101.0%
Impurity A	≤10ppm
Loss on Drying	≤0.5%
Specific rotation	30.0° -33.0°
Chloride (Cl-)	≤200ppm
Heavy Metals (Pb)	≤10ppm
Iron (Fe)	≤20ppm
Ninhydrin-positive substances	≤0.5%
Sulphated Ash	≤0.1%
Sum of impurities with a retention time greater than that of tryptophan and up to 1.8 times the retention time of N-acetyltryptophan:	≤300ppm
Sum of impurities with a retention time less than that of tryptophan:	≤100ppm
Ammonium (NH₄)	≤200ppm
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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