

Specification

Technical Data Sheet

CAS**39665-12-8****STORAGE****Ambient****MOLECULAR WEIGHT****164.20****PRODUCT****L-Lysine monohydrate PHARMA**

Product number	90031023
CAS number	39665-12-8
Molecular formula	C ₆ H ₁₄ N ₂ O ₂ · H ₂ O
Molecular weight	164.20 g/mol

PARAMETER**SPECIFICATION**

Appearance	White or pale yellow powder
Assay	≥ 98.0%
Identification	Conforms to reference
Loss on Drying	9.0% - 12.0%
Specific rotation	+25.0° - +27.0°
Chloride (Cl-)	≤ 0.10%
Class 1 (As)	≤ 1.5ppm
Class 1 (Cd)	≤ 0.5ppm
Class 1 (Hg)	≤ 1.5ppm
Heavy Metals (Pb)	≤ 10ppm
Iron (Fe)	≤ 10ppm
Other amino acids	Meets the requirements
Residue on Ignition	≤ 0.5%
Ammonium (NH₄)	≤ 0.02%

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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