

Specification

Technical Data Sheet

CAS 149-87-1	STORAGE Ambient	MOLECULAR WEIGHT 129.11
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PRODUCT**DL-Pyroglutamic acid**

Product number	90033021
CAS number	149-87-1
Molecular formula	C ₅ H ₇ NO ₃
Molecular weight	129.11 g/mol

PARAMETER	SPECIFICATION
Appearance	White to Off-white powder
Loss on Drying	≤ 1.0%
Assay (Titration)	98.5 - 101.0%
Chloride (Cl-)	≤ 0.2%
Heavy Metals (Pb)	≤ 10ppm
Identification (RAMAN)	Conforms to Reference
Iron (Fe)	≤ 10ppm
Residue on Ignition	≤ 0.2%
Ammonium (NH₄)	≤ 0.2%
Arsenic trioxide (As₂O₃)	≤ 1ppm
Sulphates (SO₄)(2-)	≤ 0.2%

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.

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