

Specification

Technical Data Sheet

CAS

6106-04-3

STORAGE

Ambient

MOLECULAR WEIGHT

187.13

PRODUCT

L-Glutamic acid monosodium salt monohydrate (99.0~100.5%)

Product number 90030723

CAS number 6106-04-3

Molecular formula $\text{NaOOCCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{H}_2\text{O}$

Molecular weight 187.13 g/mol

PARAMETER

SPECIFICATION

Appearance

White crystals or crystalline powder

Assay

99.0% - 100.5%

Loss on Drying

 $\leq 0.1\%$

pH

6.7 - 7.2

Specific rotation

+24.8 - +25.3

Chloride (Cl-)

 $\leq 0.041\%$

Heavy Metals (Pb)

 $\leq 10\text{ppm}$

Iron (Fe)

 $\leq 30\text{ppm}$

Other amino acids

 $\leq 0.5\%$

Residue on Ignition

 $\leq 0.10\%$

State of Solution

 $\geq 98.0\%$ Ammonium (NH₄) $\leq 0.02\%$ Arsenic trioxide (As₂O₃) $\leq 1\text{ppm}$ Sulphates (SO₄)(2-) $\leq 0.028\%$

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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