

Specification

Item number: 3774

L-Glutamic acid

≥98,5 %, Ph. Eur., for biochemistry

CAS No.: 56-86-0

print date: 01.01.2024

formula: $C_5H_9NO_4$

density: 1,54

molecular weight: 147,13 g/mol

Guarantee analysis

Appearance	white crystals
Assay	98.5-100.5 %
Identity	complies
Appearance of solution	complies
pH-value (0,67 %, 25 °C)	2.5-4.0
Specific rotation $[\alpha]_D^{20}$ (10 % in HCl 2N)	+31.5° to +32.4°
Light permeability (10% in HCl 2N)	≥98 %
Loss on drying	≤0.1 %
Chloride (Cl)	≤0.02 %
Sulphate (SO ₄)	≤0.02 %
Ammonium (NH ₄)	≤0.02 %
Iron (Fe)	≤0.001 %
Heavy metals	≤0.001 %
Ash content (as SO ₄)	≤0.1 %
Foreign amino acids (TLC)	≤0.5 %

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

Dr. R. Niemand

Head of Quality Assurance

S. Lorsee

Head of Quality Management

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