

Specification

Item number: 3772

L-Glutamine

≥99 %, USP, for biochemistry

CAS No.: 56-85-9

print date: 01.01.2024

formula: $C_5H_{10}N_2O_3$

density: 1,47

molecular weight: 146,15 g/mol

Guarantee analysis

Appearance	white, cryst. powder
Assay (titr., dry substance)	99.0-101.0 %
Identity	complies
Specific rotation $[\alpha]_D^{20}$ (c=4 in H ₂ O)	+6.3° to +7.3°
Specific rotation $[\alpha]_D^{20}$ (10 % in HCl 2N)	+31.5° to +33.0°
pH-value	4.5-6.0
Arsenic (As ₂ O ₃)	≤0.0001 %
Iron (Fe)	≤0.001 %
Heavy metals (as Pb)	≤0.001 %
Chloride (Cl)	≤0.02 %
Ammonium (NH ₄)	≤0.1 %
Sulphate (SO ₄)	≤0.02 %
Loss on drying (105 °C)	≤0.3 %
Ash content (as SO ₄)	≤0.1 %
Foreign amino acids	complies

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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