

Specification

Item number: T202

L-Aspartic acid

≥98,5 %, Ph. Eur., for biochemistry

CAS No.: 56-84-8

print date: 01.01.2024

formula: $C_4H_7NO_4$

density: 1,66

molecular weight: 133,1 g/mol

Guarantee analysis

Appearance	white, cryst. powder
Assay (dry substance)	98,5-101,5 %
Identity	complies
Appearance of solution	clear, colourless
Specific rotation $[\alpha]_D^{20}$	+24,5° to +26,0°
pH-value	2,5-3,5
Ammonium (NH ₄)	≤0,02 %
Chloride (Cl)	≤0,02 %
Sulphate (SO ₄)	≤0,02 %
Arsenic (As ₂ O ₃)	≤0,0001 %
Iron (Fe)	≤0,001 %
Heavy metals (as Pb)	≤0,001 %
Loss on drying	≤0,2 %
Sulphated ash	≤0,1 %
Enantiomeric purity (HPLC)	≤0,3 %

Ninhydrin-positive substances

Impurity C	≤0,2 %
Impurity D	≤0,2 %
Impurity G	≤0,2 %
Sum of other impurities	≤0,1 %
Sum of all impurities	≤1,0 %

Related Substances:

Impurity A	≤0,2 %
Impurity B	≤0,1 %
Impurity H	≤0,1 %
Any other impurities	≤0,1 %
Related substances (total)	≤0,3 %

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

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Head of Quality Management

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