

# Specification

Item number: T202

## L-Aspartic acid

≥98,5 %, Ph. Eur., for biochemistry

CAS No.: 56-84-8

print date: 01.01.2022

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 <sub>4</sub> )	≤0,02 %
Chloride (Cl)	≤0,02 %
Sulphate (SO <sub>4</sub> )	≤0,02 %
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤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.

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**Dr. R. Niemand**  
*Head of Quality Assurance*

**S. Lorsee**  
*Head of Quality Management*

*This document is computer printout and has therefore not been signed by hand.*

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**Carl Roth GmbH + Co. KG**  
Schoemperlenstraße 3-5  
76185 Karlsruhe

Telefon 0721/5606-0  
Telefax 0721/5606-149  
E-Mail: [info@carlroth.de](mailto:info@carlroth.de)

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