

Specification

Item number: HN23

L-Asparagine monohydrate

≥99 %, Ph. Eur., for biochemistry

CAS No.: 5794-13-8

print date: 17.08.2023

formula: $C_4H_8N_2O_3 \cdot H_2O$

density: 1,53

molecular weight: 150,14 g/mol

Guarantee analysis

Appearance	white, cryst. powder
Appearance of solution	complies
Assay (dry substance)	99,0-101,0 %
Identity	complies
Specific rotation $[\alpha]_D^{20}$	+33,7° to +36,0°
pH-value	4,0-6,0
Ammonium (NH₄)	≤0,1 %
Chloride (Cl)	≤0,02 %
Sulphate (SO₄)	≤0,02 %
Iron (Fe)	≤0,001 %
Aspartic acid	≤0,5 %
Related substances (impurity C)	≤0,1 %
Related substances (unspecific impurities)	≤0,05 %
Sum of all impurities	≤0,8 %
Loss on drying	10,5-12,5 %
Sulphated ash	≤0,1 %

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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