

Specification

L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade

A1701

Solubility:	5 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1701
Product Name:	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade
Headline Comment:	• All amino acids from AppliChem are of non-animal origin!
Specifications:	Assay (titr., calc. on dried subst.): 98.5 - 101.5 % α20°C/D; 8 %, 6 M HCl: +24.0° - +26.0° Appearance of solution: passes test D-Aspartic Acid: max. 0.3 % Identity: passes test Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.5 % Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Related substances (Ph. Eur.) Maleic acid: max. 0.10 % Malic acid: max. 0.2 % Fumaric acid: max. 0.10 % Any unspecified impurity: max. 0.10 % Total unspecified impurities: max. 0.3 % Related substances (USP) Maleic acid: max. 0.05 % Malic acid: max. 0.20 % Any unspecified impurity: max. 0.05 % Total unspecified impurities: max. 0.10 % Ninhydrin positive substances (HPLC) Glutamic Acid: max. 0.2 %

AppliChem GmbH

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	Alanine: max. 0.2 % Asparagine: max. 0.2 % Total impurities: max. 1.0 %
WGK:	1
Storage:	RT
Molecular Formula:	C ₄ H ₇ NO ₄
M:	133.10 g/mol
CAS:	56-84-8
EINECS:	200-291-6
CS:	29224985

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