Specification

L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade A1701

Solubility:	5 g/L (H_2O)
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.) Any unspecified impurity: max. 0.10 % Maleic acid: max. 0.10 % Malic acid: max. 0.2 % Fumaric acid: max. 0.10 % Total unspecified impurities: max. 0.3 % Related substances (USP) Total unspecified impurities: max. 0.10 % Malic acid: max. 0.20 % Maleic acid: max. 0.05 % Any unspecified impurity: max. 0.05 % Ninhydrin positive substances (HPLC) Glutamic Acid: max. 0.2 %

AppliChem GmbH
Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • **info.de@itwreagents.com** • **www.itwreagents.com**
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 007 225 00192 • Register court Darmstadt HRB Nr. 7340

Specification

L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade A1701

	Asparagine: max. 0.2 % Total impurities: max. 1.0 % Alanine: max. 0.2 %
WGK:	1
Storage:	RT
Molecular Formula:	$C_4H_7NO_4$
M:	133.10 g/mol
CAS:	56-84-8
EINECS:	200-291-6
CS:	29224985

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