

Specification

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

**A1701**

<b>Solubility:</b>	5 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1701
<b>Product Name:</b>	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade
<b>Headline Comment:</b>	• All amino acids from AppliChem are of non-animal origin!
<b>Specifications:</b>	<p>Assay (titr., calc. on dried subst.): 98.5 - 101.5 %  <math>\alpha</math>20°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 %</p> <p>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 %</p> <p>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 %</p> <p>Ninhydrin positive substances (HPLC)                      Glutamic Acid: max. 0.2 %</p>

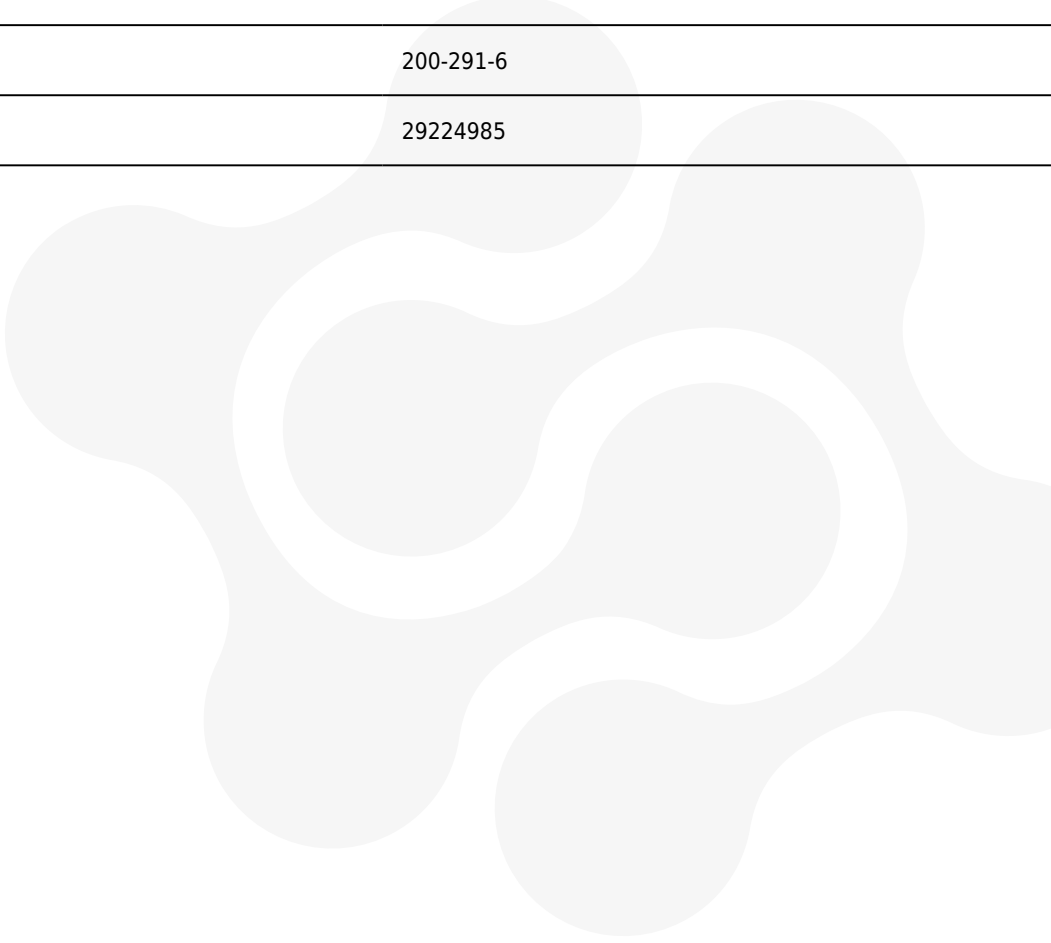
**AppliChem GmbH**

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**A1701**

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

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