

Specification

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

**A1704**

<b>Solubility:</b>	11 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1704
<b>Product Name:</b>	L-Glutamic 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 - 100.5 %</p> <p><math>\alpha</math>20°C/D; 10 %, 1 M HCl, calc. on dried subst.: +30.5° - +32.5°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying (3 h; 105°C): max. 0.1 %</p> <p><math>\alpha</math>20°C/D; 10 %, 2 M HCl: +31.5° - +32.5°</p> <p>Ninhydrin positive substances: max. 0.5 %</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: max. 0.02 %</p> <p>Sulfate: max. 0.02 %</p> <p>Fe: max. 0.001 %</p> <p>Elemental impurities (according to ICH Q3D): passes test</p>
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>
<b>M:</b>	147.13 g/mol
<b>CAS:</b>	56-86-0
<b>EINECS:</b>	200-293-7
<b>CS:</b>	29224200

**AppliChem GmbH**

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