

Specification

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

**A1707**

<b>Solubility:</b>	1500 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1707
<b>Product Name:</b>	L-Proline (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 - 101.0 %</p> <p><math>\alpha</math>25°C/D; 4 %, H<sub>2</sub>O: -84.3° - -86.3°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Heavy metals (as Pb): max. 0.0015 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying (3 h; 105°C): max. 0.4 %</p> <p><math>\alpha</math>20°C/D; 4 %, H<sub>2</sub>O, calc. on dried subst.: -84.0° - -86.0°</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: max. 0.02 %</p> <p>Sulfate: max. 0.03 %</p> <p>Fe: max. 0.001 %</p> <p>Ninhydrin positive substances (HPLC)</p> <p>Each individual impurity: max. 0.2 %</p> <p>Total impurities: max. 0.5 %</p> <p>Ninhydrin positive substances (TLC)</p> <p>Each individual impurity: max. 0.5 %</p> <p>Total impurities: max. 2 %</p>
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>
<b>M:</b>	115.13 g/mol

**AppliChem GmbH**

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**A1707**

<b>CAS:</b>	147-85-3
<b>EINECS:</b>	205-702-2
<b>CS:</b>	29339980
	

**AppliChem GmbH**

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