


Specification

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

**A1345**

<b>Solubility:</b>	150 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1345
<b>Product Name:</b>	L-Arginine base (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; 8 %, 6 M HCl: +26.3° - +27.7°</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. 0.5 %</p> <p><math>\alpha</math>20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.: +25.5° - +28.5°</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>Hazard pictograms</b>	

**AppliChem GmbH**

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**A1345**

<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Signal Word:</b>	Attention
<b>GHS Symbols:</b>	GHS07
<b>H Phrases:</b>	H319
<b>P Phrases:</b>	P305+P351+P338
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>
<b>M:</b>	174.20 g/mol
<b>CAS:</b>	74-79-3
<b>EINECS:</b>	200-811-1
<b>CS:</b>	29224985

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