

## Specification

### L-Arginine Hydrochloride (Ph. Eur., USP) pure, pharma grade

**A1700**

<b>Solubility:</b>	900 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1700
<b>Product Name:</b>	L-Arginine Hydrochloride (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>α20°C/D; 8 %, 6 M HCl: +21.4° - +23.6°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Heavy metals (as Pb): max. 0.002 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying (2 h; 105°C): max. 0.2 %</p> <p>α20°C/D; 8 %, 250 g/L HCl, calc. on dried subst.: +21.0° - +23.5°</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: 16.5 - 17.1 %</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>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> · HCl


#### AppliChem GmbH

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Specification

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

**A1700**

<b>M:</b>	210.66 g/mol
<b>CAS:</b>	1119-34-2
<b>EINECS:</b>	214-275-1
<b>CS:</b>	29224985
	

**AppliChem GmbH**

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