


## Specification

**L- Arginine base Cell culture grade****A3653**

<b>Synonym</b>	2-Amino-5-Guanidinopentanoic Acid, 2(S)-Amino-5-Guanidinovaleric Acid
<b>state of matter</b>	Solid
<b>Solubility (25°C)</b>	150 g/L (H <sub>2</sub> O)
<b>Melting point</b>	> 225°C (dec.)
<b>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-No.:</b>	74-79-3
<b>HS-No.:</b>	29224985
<b>EC-No.:</b>	200-811-1
<b>Storage:</b>	RT
<b>LGK:</b>	10 - 13
<b>Hazard pictogram(s)</b>	
<b>Hazard statement(s)</b>	H319
<b>Precautionary statement(s)</b>	P305+P351+P338
<b>Signal word</b>	Warning
<b>WGK:</b>	1
<b>Specification</b>	• All amino acids from AppliChem are of non-animal origin!
<b>Pyrogen test</b>	passes test
<b>Assay (titr.)</b>	min. 99 %
<b>α20°C/D; 8 %, 6 M HCl</b>	+26.3° - +27.7°
<b>Other amino acids</b>	max. 0.5 %
<b>Ammonium</b>	max. 0.1 %
<b>Chloride</b>	max. 0.02 %
<b>Sulfate</b>	max. 0.02 %
<b>As</b>	max. 0.0001 %
<b>Fe</b>	max. 0.001 %
<b>Pb</b>	max. 0.001 %