

# Specification

**Formula Hill:** C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub> · HCl  
**Molar Mass:** 210,66 g/mol  
**CAS N°:** 1119-34-2

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101251 L-Arginine monohydrochloride, JP, Ph. Eur., USP

	Specifications
Assay	98,5 - 101,0 %
Identity	conforms
Appearance	
- White or colourless	conforms
- Crystals or crystalline powder	conforms
Appearance solution	
- Clear and colourless	conforms
pH 10%	4,7 - 6,2
Solubility	conforms
Specific rotation (JP, USP)	21,5 - 23,5 °
Specific rotation (Ph. Eur.)	21,0 - 23,5 °
Chloride (Cl)	16,5 - 17,1 %
Sulfate (SO <sub>4</sub> )	≤ 0,0280 %
Ammonium (NH <sub>4</sub> )	≤ 0,0100 %
Heavy Metals (as Pb)	< 0,0010 %
Arsenic (As)	< 2 ppm
Iron (Fe)	< 0,0010 %
Ninhydrin-positive substances	conforms
Related subs. (JP)	conforms
Related subs. (USP)	
- Individual impurities	≤ 0,5 %
- Total impurities	≤ 2,0 %
Ash	≤ 0,1 %
Loss on drying	≤ 0,2 %

The product cannot be considered as an Active Pharmaceutical Ingredient (API) for human or veterinary use

Conforms to: JP, Ph. Eur., USP specification