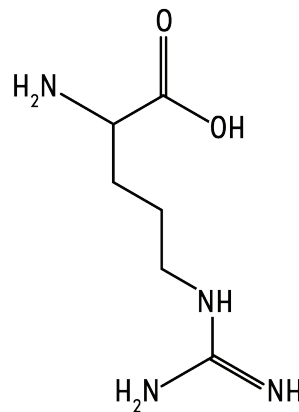


# Product Specification

<b>Product Name</b>	L-Arginine
<b>Compendia</b>	USP/EP/IP
<b>CAS #</b>	74-79-3
<b>Formula</b>	$C_6H_{14}N_4O_2$
<b>Molecular Weight</b>	174.2
<b>Description</b>	White crystals or crystalline powder
<b>Solubility</b>	Freely soluble in water and in formic acid, practically insoluble in ethanol (99.5).
<b>Identification</b>	Dissolves in dilute hydrochloric acid and it shows hygroscopic. Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.



Test	Specification
<b>Specific Rotation @ 20°C</b>	+26.9 to +27.9°
<b>State of Solution</b>	Clear and colorless; Not less than 98.0%
<b>Chloride (Cl)</b>	Not more than 0.020%
<b>Ammonium (NH<sub>4</sub>)</b>	Not more than 0.02%
<b>Sulfate (SO<sub>4</sub>)</b>	Not more than 0.020%
<b>Iron (Fe)</b>	Not more than 10ppm
<b>Heavy Metals (Pb)</b>	Not more than 10ppm
<b>Arsenic (As<sub>2</sub>O<sub>3</sub>)</b>	Not more than 1ppm
<b>Related Substances</b>	1) Conforms 2) Any unspecified impurity: Not more than 0.20%; total impurities: Not more than 0.50%
<b>Loss on Drying</b>	Not more than 0.30%
<b>Residue on Ignition (Sulfated)</b>	Not more than 0.10%
<b>Assay</b>	98.5 to 101.0%
<b>pH</b>	10.5 to 12.0
<b>Endotoxin</b>	Less than 6.0 EU/g