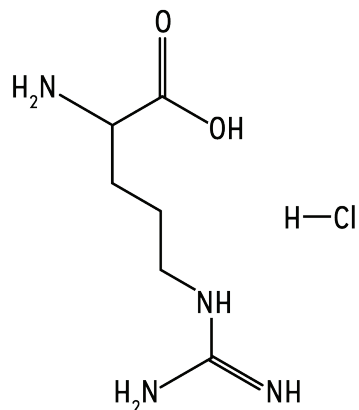


Product Specification

Product Name	L-Arginine Monohydrochloride
Compendia	USP/EP/JP
CAS #	1119-34-2
Formula	$C_6H_{14}N_4O_2 \cdot HCl$
Molecular Weight	210.66
Description	White crystals or crystalline powder; slightly characteristic taste.
Solubility	Freely soluble in water and in formic acid, very soluble in ethanol (95).
Identification	Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.



Test	Specification
Specific Rotation @ 20°C	+22.1 to +22.9°
State of Solution	Clear and colorless; Not less than 98.0%
Chloride (Cl)	16.58 to 17.00%
Ammonium (NH4)	Not more than 0.02%
Sulfate (SO4)	Not more than 0.020%
Iron (Fe)	Not more than 10ppm
Heavy Metals (Pb)	Not more than 10ppm
Arsenic (As2O3)	Not more than 1ppm
Related Substances	1) Conforms 2) Any unspecified impurity: Not more than 0.20%; Total impurities: Not more than 0.50%
Loss on drying	Not more than 0.20%
Residue on Ignition (Sulfated)	Not more than 0.10%
Assay	98.5 to 101.0%
pH	4.7 to 6.2
Endotoxin	Less than 6.0 EU/g