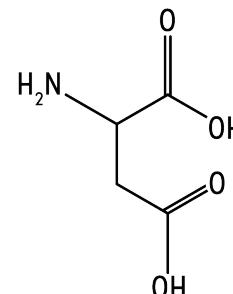


Product Specification

Product Name	L-Aspartic Acid
Compendia	USP/EP/JP
CAS #	56-84-8
Formula	C ₄ H ₇ NO ₄
Molecular Weight	133.10
Description	White crystals or crystalline powder
Solubility	Slightly soluble in water, practically insoluble in ethanol (99.5). Dissolves in dilute hydrochloric acid and in 0.2 mol/L sodium hydroxide.
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	+24.8 to +25.8°
State of Solution	Clear and colorless; Not less than 98.0%
Chloride (Cl)	Not more than 0.020%
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) Maleic acid: Not more than 0.050%; Malic acid: Not more than 0.20%; Fumaric acid: Not more than 0.10%; Any unspecified impurity: Not more than 0.05%; Total unspecified impurities: Not more than 0.10%
Loss on Drying	Not more than 0.20%
Residue on Ignition (Sulfated)	Not more than 0.10%
Assay	98.5 to 101.0%
pH	2.5 to 3.5
Endotoxin	Less than 6.0EU/g