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SPECIFICATIONS

Product Name: L-Histidine Monohydrochloride Monohydrate

Quality Standard: AJI92 CAS NO.: 5934-29-2

**Description: white crystals or crystalline powder,
slightly acid and bitter taste**

Solubility (H₂O, g/100g): 16.8 (20°), 29.6 (40°), 47.5 (60°)

Test Items	Limit
Identification	conform with AJI92
Specific rotation $[\alpha]^{20}_D$	+8.9° to +9.5°
State of solution	clear and colorless
	not less than 98.0%
Chloride (Cl)	16.66% to 17.08%
Ammonium (NH ₄)	not more than 0.02%
Sulfate (SO ₄)	not more than 0.020%
Iron (Fe)	not more than 10ppm
Heavy metals (Pb)	not more than 10ppm
Arsenic (As ₂ O ₃)	not more than 1ppm
Other amino acids	conforms
Loss on drying	not more than 0.20%
Residue on ignition (sulfated)	not more than 0.10%
Assay	99.0% to 101.0%
pH	3.5 to 4.5

Storage: Preserve in tight containers at controlled room temperature.

Recommended limit: 2 years