

## SPECIFICATION

## L-Histidine Hydrochloride Monohydrate

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay	min.99.0%
Solubility in water	to pass test
Specific rotation [ $\alpha$ ] <sub>D20</sub>	+8.9~+9.6°
Loss on drying at 100°C	max.0.2%
Residue after ignition (as sulfate)	max.0.05%
Sulfate (SO <sub>4</sub> )	max.0.02%
Heavy metals (as Pb)	max.0.001%
Arsenic (As)	max.1ppm
Iron (Fe)	max.0.001%
Ammonium (NH <sub>4</sub> )	max.0.02%
Foreign amino acids	to pass test

JIS K 9050-1993

(\*:Additional test performed by Wako but not required by JIS)