

# PRODUCT DATA SHEET

## L-HISTIDINE MONOHYDROCHLORIDE MONOHYDRATE

CAS No. [5934-29-2]

M.W.: 209.63

L-Histidine Monohydrochloride Monohydrate, when dried, contains not less than 99.0% and not more than 101.0% of L-Histidine Monohydrochloride Monohydrate.

**Appearance:** White crystals or crystalline powder: slightly acid and bitter taste. Freely soluble in water and in acid; practically insoluble in ethanol and in ether. Dissolves in dilute hydrochloric acid.

### SPECIFICATIONS

Identification	:	Infrared absorption
Specific rotation $[\alpha]_{20}^D$ (transmittance)	:	+8.9° - +9.5°
State of solution	:	Clear and colorless Not less than 98.0%
Chloride (Cl)	:	16.66 - 17.08%
Ammonium (NH <sub>4</sub> )	:	Not more than 0.02%
Sulfate (SO <sub>4</sub> )	:	Not more than 0.020%
Iron (Fe)	:	Not more than 10 ppm
Heavy metals (Pb)	:	Not more than 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	:	Not more than 1 ppm
Other amino acids	:	Conforms
Loss on drying	:	Not more than 0.20%
Residue on ignition (sulfated)	:	Not more than 0.10%
Assay	:	99.0 - 101.0%
pH	:	3.5 to 4.5

Packaging and storage : store in well-preserved containers