

## L-Histidine

**GRM050**

### Product Identifier

CAS No.	:	71-00-1
EC No.	:	200-745-3
Molecular Formula	:	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight	:	155.15
HS Code	:	2933 29 90
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	Colourless or white to off-white crystals or powder
Solubility	:	33.3 mg soluble in 1 mL of water
pH (2% in water at 25°C)	:	7.00 - 8.50
FTIR	:	Matches with the standard pattern
Specific rotation	:	+12.0° to +14.0° (c = 11% in 6M HCl)
Loss on drying (at 105°C, 2 hr)	:	<= 0.50%
Chloride (Cl)	:	<= 0.05%
Iron (Fe)	:	<= 0.003%
Sulfate (SO <sub>4</sub> )	:	<= 0.03%
Assay (NT/HCl Titration, on dry basis)	:	99.00 - 102.00%

### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	MS3070000
WGK	:	1