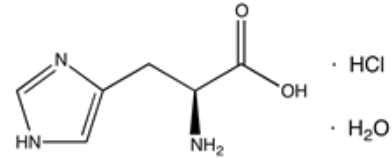


## L-Histidine hydrochloride monohydrate, Pharmpur®, Ph Eur, BP

**Identification**

$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$   
M = 209,63 g/mol  
CAS [5934-29-2]  
EC number: 211-438-9  
Taric code: 2933 21 00

**Synonyms**

(S)- $\alpha$ -Amino-1H-imidazole-4-propanoic acid

**Applications**

in biochemistry, for pharmaceuticals synthesizing, in pharma industry.

**Specifications**

assay (argentometric, on dried sample) .....	98,5 - 101,0 %	pH (5 %, H <sub>2</sub> O).....	3,0 - 5,0
identity (IR-spectrum).....	passes test	sulfates (SO <sub>4</sub> ).....	max. 300 ppm
Identification TLC.....	passes test	ammonium (NH <sub>4</sub> ).....	max. 200 ppm
Identification E (EP).....	passes test	iron (Fe).....	max. 10 ppm
Identification chloride.....	passes test	ninhydrin-positive substances:	
appearance of solution.....	passes test	any ninhydrin-positive substances.....	max. 0,2 %
specific rotation ( $[\alpha]_{20}^D$ , c = 11, HCl 6 mol/l).....	+ 9,2 ° - + 10,6 °	total.....	max. 0,25 %
		residue on ignition.....	max. 0,1 %
		loss on drying (150 °C) .....	7 - 10 %

**Physical data**

- Bulk density: ~ 770 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 169,9 g/l
- Melting point: 259 °C (decomposes)
- pH(100 g/l H<sub>2</sub>O, 20 °C) 3,5 - 4,5

**Transport/storage**

- 5°C - 30°C