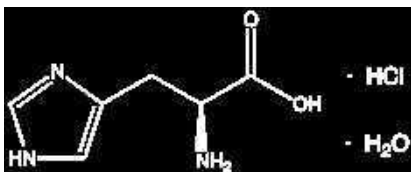


L-HISTIDINE HYDROCHLORIDE MONOHYDRATE

HI0405 L-Histidine hydrochloride monohydrate, extra pure, Pharpur®, Ph Eur, BP



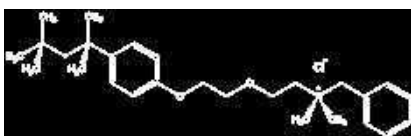
- Synonyms: (S)- α -Amino-1H-imidazole-4-propanoic acid
- $C_9H_9N_3O_2 \cdot HCl \cdot H_2O$
- $M = 209,63 \text{ g/mol}$
- CAS [5934-29-2]
- EINECS-No.: 211-438-9
- Solub. in water: (20 °C): 169,9 g/l
- Melting point: 259 °C (decomposes)
- Tariff number: 2933 21 00 90
- Applications: in biochemistry, for pharmaceutical use, in pharma industry.

assay (acidimetric, referred to dried sample) 98,5 - 101,0 %
 identification passes test
 appearance of solution passes test
 specific rotation ($[\alpha]_{20}^{D}$, c = 11, HCl 120 g/l on dried sample)+ 9,2° - + 10,6°
 sulfates (SO_4) max. 300 ppm
 ammonium (NH_4) max. 0,02 %
 iron (Fe) max. 10 ppm
 ninhydrin-positive substances passes test
 residue on ignition max. 0,1 %
 loss on drying (150 °C) 7,0 - 10,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
HI04050025	25 g	0
HI04050100	100 g	0

HYAMINE® 1622

HY0002 Hyamine® 1622 (Hyamine is a trademark of Rohm and Haas Company)



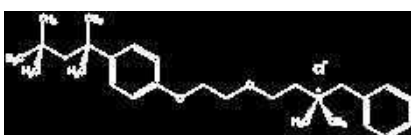
- Synonyms: N-Benzyl-N,N-dimethyl-N-[4-(1,1,3,3-tetramethylbutyl)-phenoxyethoxyethyl]ammonium chloride, Benzethonium chloride
- $C_{27}H_{42}ClNO_2$
- $M = 448,18 \text{ g/mol}$
- CAS [121-54-0]
- EINECS-No.: 204-479-9
- Solub. in water: (20 °C): freely soluble
- Melting point: 164 - 166 °C
- LD 50 (oral, rat): 368 mg/kg
- ADR: 9 M7 III UN 3077
- IMDG: 9 III UN 3077
- IATA/ICAO: 9 III UN 3077
- GHS-signal word: Warning
- GHS-H sentences: H302 - H315 - H319 - H411
- GHS-P sentences: P280 - P273 - P305 + P351 + P338 - P321 - P362 - P501a
- Tariff number: 2923 90 00 90
- Applications: analytical chemistry, for the analysis of: tensioactive substances (detergent).

assay (titration with $HClO_4$, on dried sample) min. 99 %
 identity (IR-spectrum) passes test
 pH (10 %, H_2O) 5,0 - 6,5
 water (K.F.) max. 4 %

ART. NO.	VOLUME	CONTAINER
HY00020250	250 g	0

HYAMINE® 1622, VOLUMETRIC SOLUTIONS

HY0001 Hyamine® 1622, solution 0,004 mol/l (Hyamine is a trademark of Rohm and Haas Company)



- $C_{27}H_{42}ClNO_2$
- $M = 448,18 \text{ g/mol}$
- CAS [121-54-0]
- EINECS-No.: 204-479-9
- Density: 1,0 g/cm³
- Tariff number: 2923 90 00 90
- Applications: analytical chemistry, for determination of: tensioactive substances (detergent).

factor 0,995 - 1,005
 1 ml = 0,001792 g Hyamine
 This volumetric solution was checked by means of classical methods using a freshly prepared sodium lauryl standard solution made of sodium lauryl sulfate, reagent grade.

ART. NO.	VOLUME	CONTAINER
HY00011000	1 l	0
HY00012500	2,5 l	0
HY0001005P	5 l	0