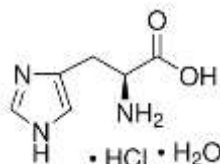


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

L-HISTIDINE HYDROCHLORIDE MONOHYDRATE 99%

L- α -Amino- β -(4-imidazolyl)propionic acid monochloride



Product Code	O-5240	Grade	For Biochemistry
Purity	99 %	CAS No	5934-29-2
Molecular Formula	C ₈ H ₁₀ ClN ₃ O ₂ ·H ₂ O	Molecular Weight	209,63 g/mol
H.S.Code	2933.2990	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline	Colour	White
Melting point	254 °C	Density	1,4723 g/cm ³ at 20 °C
pH	4,38 - 4,48 at 149,55 g/l at 20 °C	Solubility in water	149,55 g/l at 20 °C
Vapour pressure	< 0,1 hPa at 20 °C	Decomposition temperature	> 268 °C

Packaging

100 gram

Specification

Appearance	White to off white crystalline powder
Assay (by HClO ₄ titration, on dried basic)	min 99.0 %
Specific optical rotation ([α] _{20/D})	+8.5 to +9.5°
Sulphate (SO ₄)	max 0.02 %
Iron (Fe)	max 0.001 %
Arsenic (As)	max 0.0005 %
Heavy metals (as Pb)	max 0.001 %
Ammonium (NH ₄)	max 0.01 %
Foreign amino acids	max 0.3 %
Loss on drying (at 150 °C)	7.0 – 10.0 %
Other ninhydrine positive substances (as glycine)	max 0.1 %

Safety Information and Hazard Symbols

NO GHS

Symbol: not available

Signal Word: not available

IMCO Class No.: not available

Packing Group: not available

Hazardous Statement: not available

Precaution Statement: not available