

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : L-Histidine Hydrochloride Monohydrate 99 % For Biochemistry

Catalog Number : O-5240

Batch Number : 5240-00000000

CAS Number : 5934-29-2

Molecular Weight : 209,63 g/mol

Mol. Formula : $C_6H_{10}ClN_3O_2 \cdot H_2O$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	white to off white crystalline powder	white crystalline powder
2	Assay (by $HClO_4$ titration, on dried basic)	min 99.0 %	99.52%
3	Specific optical rotation ($[\alpha]_{20/D}$)	+8.5 to +9.5 °	+9.3 °
4	Sulphate (SO_4)	max 0.02 %	< 0.02 %
5	Iron (Fe)	max 0.001 %	0.00045%
6	Arsenic (As)	max 0.0005 %	< 0.0005%
7	Heavy metals (as Pb)	max 0.001 %	0.00052%
8	Ammonium (NH_4)	max 0.01 %	0.00760%
9	Foreign amino acids	max 0.3 %	0.11%
10	Loss on drying (at 150 °C)	7.0 - 10.0 %	8.06%
11	Other ninhydrine positive substances (as glycine)	max 0.1 %	< 0.1%

Corresponds For Biochemistry Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC