



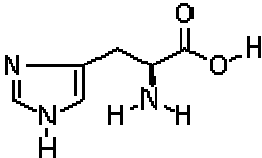
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: DYC041801291

Product name	L-Histidine Hydrochloride Monohydrate, USP32
CAS Number	5934-29-2
Molecule Structure	
Molecule Formula	C ₆ H ₁₂ ClN ₃ O ₃
Batch number	20171006
Manuf&Exp. Date	2017-10-07;2019-10-06
Testing date	2017-10-08

Analysis tests	Standard	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation [α] _D ²⁵	+8.5° ~+10.5°	+9.0°
Chloride(Cl)	16.7~17.1%	16.9%
Sulfate(SO ₄)	0.030% max	0.03% max
Ammonium(NH ₄)	0.030% max	0.03% max
Iron(Fe)	15ppm max	15ppm max
Heavy metals(Pb)	15ppm max	15ppm max
Arsenic(As ₂ O ₃)	1ppm max	1ppm max
Loss on drying	0.20% max	0.15%
Residue on ignition	0.10% max	0.05%
Other amino acids	No Spot	Conforms
Assay	98.5~100.5%	99.3%
pH	3.5~4.5	3.5~4.5
Conclusion: This Batch Is Conforming With The Standard Of USP32		

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Cristina
Quality Control

CHECK: 姚仙娟

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