



Version	00
Molecular weight	209.64
Quality Test / Release Date	11/18/2021
Molecular Formula	C ₆ H ₉ N ₃ O ₂ · H Cl · H ₂ O
CAS No	5934-29-2
Linear Formula	
Flash Point (°C)	

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	41173	Quality Test / Release Date	11/18/2021
Lot Number	A0436322	Suggested retest date	11/18/2026
Description	L-Histidine hydrochloride monohydrate, 98%		
Country of Origin	CHINA		
Declaration of Origin	plant		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Crystalline powder or crystals	Crystalline powder
Infrared spectrum	Conforms	Conforms
Titration with NaOH	≥97.5 % (On anhydrous substance)	100.4 % (On anhydrous substance)
Heavy metals (as Pb)	≤10 ppm	≤10 ppm
Sulfated ash	≤0.1 %	0.03 %
Other amino acids	≤0.5 % (TLC)	≤0.5 % (TLC)
Specific optical rotation	+9.2° to +10.6° (20°C, 589 nm) (c=11, 6 N HCl)	+9.8° (20°C, 589 nm) (c=11, 6 N HCl)
Specific optical rotation	On anhydrous substance	On anhydrous substance
Loss on drying	7 % to 10 % (3 h) (145 to 150°C)	8.5 % (3 h) (145 to 150°C)
Sulfate (SO ₄)	≤300 ppm	≤300 ppm
Ammonium (NH ₄)	≤200 ppm	≤200 ppm
Iron (Fe)	≤10 ppm	≤10 ppm
pH	3 to 5 (2.5 % at 25°C)	4 (2.5 % at 25°C)



C. Wygaerts, QA Manager

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Acros Organics

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