



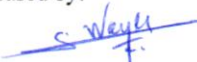
## CERTIFICATE OF ANALYSIS

Product : **L-HISTIDINE**  
Product number : H0710  
Batch number : 018828  
Date of production : 11-11-2023  
Date of expiry : 30-11-2027  
  
Packaging and storage : store in a well-closed container at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder	complies		
Identification	conform	complies		
Total impurities	0.5	0.0	%	
pH	7.0 – 8.5	7.7		
Specific optical rotation	+12.0 – +12.8	+12.3	°	20 °C
Ammonium (NH <sub>4</sub> )	≤ 0.02	0.00	%	
Chloride (Cl)	≤ 0.020	< 0.020	%	
Sulphate (SO <sub>4</sub> )	≤ 0.020	< 0.020	%	
Iron (Fe)	≤ 10	< 10	ppm	
Heavy metals	≤ 10	< 10	ppm	as Pb
Loss on drying	≤ 0.20	0.01	%	
Sulphated ash	≤ 0.10	0.00	%	
Assay	99.0 – 101.0	100.2	%	dried substance

This certificate of analysis is conform the results of the supplier.

Conclusion: approved  
Released by:

  
Date: 14-10-2024

S. Bayat, MSc, pharmacist  
Department of Quality Control Duchefa B.V.

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.