

CERTIFICATE OF ANALYSIS

Product : **L-HISTIDINE**
 Product number : H0710
 Batch number : 011989
 Date of production : 21-12-2015
 Date of expiry : 31-12-2018
 Packaging and storage : store in a well-closed container at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder	complies		
Identification	conform	complies		IR-spectrum
Appearance of solution (transmittance)	≥ 98.0	99.4	%	5% in H ₂ O, 430 nm
pH	7.0 – 8.5	7.7		
Specific optical rotation	+12.0 – +12.8	+12.5	°	20°C
Ammonium (NH ₄)	≤ 0.02	0.00	%	
Chloride (Cl)	≤ 0.020	0.020	%	
Sulphate (SO ₄)	≤ 0.020	0.020	%	
Iron (Fe)	≤ 10	10	ppm	
Heavy metals	≤ 10	10	ppm	as Pb
Loss on drying	≤ 0.20	0.02	%	
Sulphated ash	≤ 0.10	0.00	%	
Assay	> 99.0	100.2	%	dried substance

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

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 30-03-2016



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