

CERTIFICATE OF ANALYSIS

Product : **L-CYSTEINE HYDROCHLORIDE MONOHYDRATE**
 Product number : C0706
 Batch number : 013976
 Date of production : 09-10-2017
 Date of expiry : 31-10-2020

Packaging and storage : in a well-closed container

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white crystalline powder or colourless crystals	complies		
Solubility	soluble in water	complies		
Identification	conform	complies		
Specific rotation	+6.0 – +7.1	+6.8	°	
Appearance of solution	clear and colourless	complies		
Related substances	conform	complies		
Chloride	19.89 – 20.29	20.11	%	
Sulphates	≤ 200	< 200	ppm	
Iron	≤ 10	< 10	ppm	
Loss on drying	8.50 – 12.00	10.16	%	
Sulphated ash	≤ 0.10	0.02	%	
Assay	98.5 – 101.0	100.2	%	

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

Conclusion: approved

Released by:



drs. J. van der Eem, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 21-08-2018

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