

CERTIFICATE OF ANALYSIS

Product : **L-CYSTEINE HYDROCHLORIDE MONOHYDRATE**
 Product number : C0706
 Batch number : 012932
 Date of production : 25-08-2016
 Date of analysis : 12-09-2016
 Date of expiry : 31-08-2019

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	+6.1 – +7.8	+7.0	°	
Appearance of solution	clear and colourless	complies		
Ammonium	≤ 200	< 200	ppm	
Sulphates	≤ 200	< 200	ppm	
Iron	≤ 10	< 10	ppm	
Heavy metals	≤ 10	< 10	ppm	
Loss on drying	8.0 – 12.0	10.05	%	
Sulphated ash	≤ 0.10	0.01	%	
Assay	98.5 – 101.0	100.2	%	

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

Conclusion: approved

Released by:

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

Date: 17-05-2017



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