

CERTIFICATE OF ANALYSIS

L-CYSTEINE HYDROCHLORIDE MONOHYDRATE Product

Product number C0706 Batch number 011435 Date of production 28-03-2015 01-06-2015 Date of analysis Date of expiry 31-03-2018

in a well-closed container Packaging and storage

Appearance	SPECIFICATION white or almost white crystalline powder	RESULT complies	UNITS	REMARKS
Solubility	or colourless crystals soluble in water	complies		
Identification	conform	complies		
Specific rotation	+6.1 - +7.8	+6.3	0	
Appearance of solution	clear and colour ≤ ref. sol. BY ₆	complies		
Ammonium	≤ 200	< 200	ppm	
Sulphates	≤ 300	< 300	ppm	
Iron	≤ 20	< 20	ppm	
Heavy metals	≤ 10	< 10	ppm	
Loss on drying	8.0 - 12.0	10.4	%	
Sulphated ash	≤ 0.10	< 0.10	%	
Assay	98.5 - 101.0	99.7	%	

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: 31-07-2015

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

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