

CERTIFICATE OF ANALYSIS

Product : **L-ARGININE**
 Product number : **A0704**
 Batch number : **012988**
 Date of manufacturing : **05-11-2016**
 Date of analysis : **18-04-2017**
 Date of expiry : **30-11-2019**

Packaging and storage : store in a well-closed container, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white crystalline powder or colourless crystals	complies		hygroscopic
Identification	conform	complies		
Solubility	freely soluble in water	complies		
State of solution	clear & colourless	complies		
Specific optical rotation	+25.5 – +28.5	+27.7	°	8% in HCL, dried substance
Related substances	conform	complies	%	TLC
Chloride	≤ 200	< 200	ppm	
Sulfate	≤ 300	< 200	ppm	
Ammonium	≤ 0.02	< 0.02	%	
Iron	≤ 10	< 10	ppm	
Loss on drying	≤ 0.5	0.02	%	105 °C
Sulphated ash	≤ 0.1	< 0.02	%	
Assay	98.5 – 101.0	100.0	%	dried substance

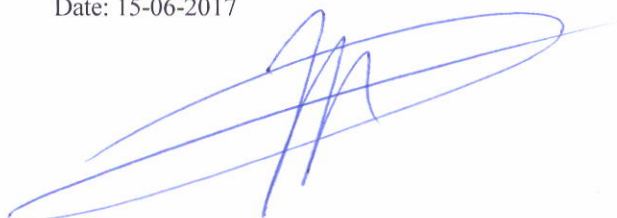
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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

Date: 15-06-2017



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