

## CERTIFICATE OF ANALYSIS

Product : **L-ARGININE**  
 Product number : A0704  
 Batch number : 016589  
 Date of manufacturing : 04-11-2021  
 Date of analysis : 04-11-2021  
 Date of expiry : 30-11-2024

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		
Appearance of solution	clear and ≤ ref. sol. BY <sub>6</sub>	complies		
Specific optical rotation	+25.5 – +28.5	complies	°	25 °C dried substance
Related substances	conform	complies	%	TLC
Chloride	≤ 200	complies	ppm	
Sulfate	≤ 300	≤ 200	ppm	
Ammonium	≤ 0.02	complies	%	
Iron	≤ 10	complies	ppm	
Loss on drying	≤ 0.5	0.02	%	105 °C
Sulphated ash	≤ 0.1	0.04	%	
Assay	98.5 – 101.0	99.9	%	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: 15-11-2021



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