

## CERTIFICATE OF ANALYSIS

Product : **LEUCINE (L-)**  
 Product number : L0712  
 Batch number : 017697  
 Manufacturing date : 29-09-2019  
 Expiry date : 30-09-2024

Packaging and storage : store in a well-closed container at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white crystalline powder	complies		
Identification	conform	complies		IR-spectrum
Appearance of solution	conform	complies		
pH	5.5 – 6.5	6.0		
Specific optical rotation	+14.9 – +16.0	+15.2	°	20 °C
State of solution	≥ 98.0	100.1	%	transmittance
Related substances	conform	complies		
Chloride	≤ 200	complies	ppm	
Sulphate	≤ 200	complies	ppm	
Ammonium	≤ 200	complies	ppm	
Iron	≤ 10	complies	ppm	
Heavy metals	≤ 10	complies	ppm	
Loss on drying	≤ 0.2	0.00	%	
Sulphated ash	≤ 0.1	0.00	%	
Assay	98.5 – 101.0	100.7	%	

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 BV

Date: 26-04-2023



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