

## CERTIFICATE OF ANALYSIS

Product : **L-TRYPTOPHAN**  
 Product number : T0720  
 Batch number : 018314  
 Date of analysis : 10-11-2023  
 Expiry date : 30-11-2028

Packaging and storage : store protected from light

Description	SPECIFICATION	RESULT	UNITS	REMARKS
	white to almost white	complies		
	crystalline powder			
Identification	conform	complies		
Appearance of solution	conform	complies		
Specific optical rotation	-29.4 – -32.8	-30.9	°	1% in 1M HCl
pH	5.5 – 7.0	5.8		1% in H <sub>2</sub> O
Chlorides	≤ 0.05	0.05	%	
Lead	≤ 0.0015	< 0.0015	%	
Iron	≤ 0.003	< 0.003	%	
Loss on drying	≤ 0.3	0.05	%	3 hr, 105 °C
Residue on Ignition	≤ 0.1	0.06	%	
Assay	≥ 98.5	99.3	%	dried substance

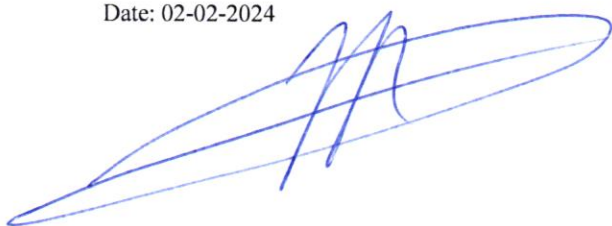
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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

Date: 02-02-2024



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