

CERTIFICATE OF ANALYSIS

Product L-THREONINE

Product number T0719 Batch number 017436 Date of production 17-03-2020 Date of expiry 31-03-2024

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

Appearance Solubility Identification	SPECIFICATION white crystalline powder soluble in water conform	RESULT complies complies complies	UNITS	REMARKS
Specific optical rotation	-29.027.6	-28.3		20 °C
рН	5.0 - 6.5	5.76		
Appearance of solution	clear and colourless	complies		
Chloride	≤ 0.02	complies	%	
Sulfate	≤ 0.02	complies	%	
Ammonium	≤ 0.02	complies	%	
Heavy metals	≤ 10	complies	ppm	as Pb
Iron	≤ 10	complies	ppm	
Loss on drying	≤ 0.2	0.1	%	
Residue on ignition	≤ 0.10	0.06	%	
Assay	99.0 - 101.0	99.3	%	

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: 13-12-2022

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