

CERTIFICATE OF ANALYSIS

Product : **L-THREONINE**
 Product number : T0719
 Batch number : 018855
 Date of production : 27-12-2021
 Date of expiry : 28-02-2029

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white crystalline powder or flakes	complies		
Solubility	soluble in water	complies		
Identification	conform	complies		
Specific optical rotation	-29.0 – -27.6	-28.4	°	20 °C
pH	5.0 – 6.5	5.6		
Appearance of solution	clear and colourless	complies		
Lead	≤ 3	≤ 2	ppm	
Chloride	≤ 0.02	complies	%	
Sulfate	≤ 0.02	complies	%	
Ammonium	≤ 0.02	complies	%	
Heavy metals	≤ 10	complies	ppm	
Iron	≤ 10	complies	ppm	
Loss on drying	≤ 0.2	0.15	%	
Residue on ignition	≤ 0.10	0.05	%	
Assay	99.0 – 101.0	99.62	%	

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

Conclusion: approved

Released by:



J. van der Eem, MSc, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 01-11-2024

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