

CERTIFICATE OF ANALYSIS

Product : **L-PROLINE**
 Product number : P0717
 Batch number : 016390
 Date of production : 26-07-2021
 Date of analysis : 26-07-2021
 Date of expiry : 31-07-2024

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder or colourless crystals	complies		
Solubility	soluble in water	complies		
Identification:				
- A (specific optical rotation)	conform	complies		
- B (IR-spectrum)	conform	complies		
Appearance of solution	clear and colourless	complies		
Specific optical rotation	-86.0 – -84.0	-85.0	°	
Ninhydrin positive substances	≤ 0.5	Not detected	%	
Chloride	≤ 200	complies	ppm	
Sulfate	≤ 300	≤ 200	ppm	
Ammonium	≤ 200	complies	ppm	
Iron	≤ 10	complies	ppm	
Heavy metals	≤ 5	complies	ppm	as Pb
Loss on drying	≤ 0.5	0.03	%	
Sulfated ash	≤ 0.1	0.01	%	
Assay	98.5 – 101.0	100.0	%	dried substance

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

Conclusion: approved

Released by:

Q. de Hoog, MSc, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 03-08-2021

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

Duchefa Biochemie B.V.

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