



## CERTIFICATE OF ANALYSIS

Product : **L-PROLINE**  
Product number : P0717  
Batch number : 019094  
Date of production : 10-02-2025  
Date of analysis : 10-02-2025  
Date of expiry : 28-02-2028

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

	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>UNITS</b>	<b>REMARKS</b>
Appearance	white crystalline powder or colourless crystals	complies		
Solubility	soluble in water	complies		
Appearance of solution	clear and colourless	complies		
Specific optical rotation	-86.3 – -84.0	-85.0	°	
pH	5.9 – 6.9	6.28		
Chloride	≤ 0.05	complies	%	
Sulfate	≤ 0.03	complies	%	
Iron	≤ 30	< 30	ppm	
Heavy metals	≤ 10	< 10	ppm	as Pb
Loss on drying	≤ 0.4	0.04	%	
Sulfated ash	≤ 0.4	0.02	%	
Assay	98.5 – 101.5	100	%	dried substance

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

Conclusion: approved

Released by:

Date: 19-02-2025

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

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

Duchefa Biochemie B.V.