

## CERTIFICATE OF ANALYSIS

Product : **L-SERINE**  
 Product number : S0718  
 Batch number : 018483  
 Date of production : 13-05-2023  
 Date of expiry : 31-05-2026

Packaging and storage : store in a well-closed container, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder	complies		
Solubility	soluble in water	complies		
Identification	conform	complies		
Specific rotation	+14.0 – +15.6	+14.6	°	IR at 25°C
Ammonium	≤ 0.02	0.00	%	
Chloride	0.020	≤ 0.020	%	
Sulfate	0.020	≤ 0.020	%	
Iron	10	≤ 10	%	
Loss on drying	0.20	0.00	%	
Residue on ignition	0.10	0.00	%	
Heavy Metals (Pb)	10	≤ 10	ppm	
Assay	98.5 – 101.0	99.7	%	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: 26-04-2024



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

Duchefa Biochemie B.V.