



CERTIFICATE OF ANALYSIS

Product : **L-SERINE**
Product number : S0718
Batch number : 018305
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 – +16.0	+14.6	°	IR at 25°C
Ammonium	≤ 0.02	0.00	%	
Chloride	≤ 200	< 200	ppm	
Sulfate	≤ 300	< 200	ppm	
Iron	≤ 10	< 10	ppm	
Loss on drying	≤ 0.5	0.00	%	
Residue on ignition	≤ 0.1	0.00	%	
Heavy Metals (Pb)	≤ NMT 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: 31-01-2024

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

Duchefa Biochemie B.V.