



CERTIFICATE OF ANALYSIS

Product : **L-SERINE**
Product number : S0718
Batch number : 017426
Date of production : 09-06-2022
Date of expiry : 30-06-2025

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	+14.5	°	IR at 25°C
Ammonium	≤ 0.02	0.00	%	
Chloride	≤ 0.020	< 0.020	%	
Sulfate	≤ 0.020	< 0.020	%	
Iron	≤ 10	< 10	ppm	
Loss on drying	≤ 0.20	0.02	%	
Residue on ignition	≤ 0.10	0.00	%	
Heavy Metals	≤ NMT 10	< 10	ppm	
Assay	98.5 – 101.0	98.9	%	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: 05-12-2022

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