

CERTIFICATE OF ANALYSIS

Product : **L-GLUTAMIC ACID**
 Product number : G0707
 Batch number : 016015
 Manufacturing date : 25-11-2019
 Date of expiry : 30-11-2024

Packaging and storage : protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appereance	white or almost white, crystalline powder or colourless crystals	complies		
Identification	conform	complies		
Appereance of solution	clear and colourless	complies		
Appereance of solution	≥ 98.0	complies	%	transmittance
Specific rotation	+31.5 – +32.4	+32.1	°	
Chloride	≤ 0.020	complies	%	
Ammonium	≤ 0.02	complies	%	
Sulfate	≤ 0.020	complies	%	
Iron	≤ 10	complies	ppm	
Heavy metals	≤ 10	complies	ppm	
Arsenic	≤ 1	complies	ppm	
Related substances	conform	complies		TLC
Loss on drying	≤ 0.10	0.1	%	
Sulphated ash	≤ 0.10	0.0	%	
Assay	99.0 – 100.5	100.1	%	
pH	3.0 – 3.5	3.3		

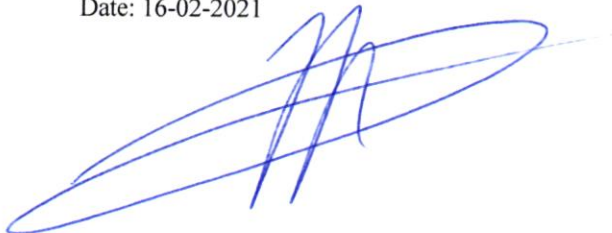
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 16-02-2021



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

Duchefa Biochemie B.V.