

CERTIFICATE OF ANALYSIS

Product : **PHENYLALANINE (L-)**
 Product number : P0716
 Batch number : 017022
 Date of analysis : 04-02-2020
 Date of expiry : 28-02-2025

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white or almost white crystalline powder	complies		
Specific optical rotation	-33.2 – -35.2	-33.50	°	
IR-spectrum	conform	complies		
pH	5.4 – 6.0	5.71		
Heavy Metals	≤ 20	complies	ppm	as Pb
Lead	≤ 3	complies	ppm	
Arsenic	≤ 1	complies	ppm	
Mercury	≤ 0.1	complies	ppm	
Cadmium	≤ 1	complies	ppm	
Loss on drying	≤ 0.2	0.01	%	105 °C
Residue on ignition	≤ 0.1	0.03	%	
Assay	99.0 – 101.0	99.21	%	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: 18-05-2022



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

Duchefa Biochemie B.V.