

CERTIFICATE OF ANALYSIS

Product : PHENYLALANINE (L-)

Product number : P0716
Batch number : 013226
Date of analysis : 28-06-2016
Date of expiry : 30-06-2021

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

Appearance	SPECIFICATION white or almost white crystalline powder	RESULT complies	UNITS	REMARKS
Specific optical rotation	-33.235.2	-34.01	0	
IR-spectrum	Conform	complies		
рН	5.4 - 6.4	5.57		
Sulphates	≤ 300	complies	ppm	
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	0.05	%	105 °C
Residue on ignition	≤ 0.1	0.03	%	
Sulphated ash	≤ 0.1	0.0	%	
Assay	99.0 - 101.0	99.43	%	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: 28-09-2017

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

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