

CERTIFICATE OF ANALYSIS

Product : PHENYLALANINE (L-)

Product number : P0716
Batch number : 014772
Date of analysis : 14-08-2019
Date of expiry : 31-08-2024

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	-33.2 – -35.2	-34.01	o	
IR-spectrum	conform	complies		
рН	5.4 - 6.0	5.57		
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	%	
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. Q. de Hoog, pharmacist

Department of Quality Control Duchefa B.V.

Date: 15-08-2019

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

mail address: Postbus 809 - 2003 RV Haarlem - The Netherlands visiting address: A. Hofmanweg 71 - 2031 BH Haarlem telefax: +31(0)23 - 531 80 27 bic: INGB 0651 4661 80 k.v.k. in Amsterdam: 34073001 telefax: +31(0)23 - 531 80 27 bic: INGBNL2A website: www.duchefa.com