

## CERTIFICATE OF ANALYSIS HYDROLYZED COLLAGEN

<b>Product:</b>	<b>PEPTAN® F 2000 LD</b>	<b>Date :</b>	<b>14 February 2024</b>
<b>Batch:</b>	<b>3609624</b>	<b>Customer:</b>	<b>Firmalis</b>
<b>Production date:</b>	<b>February 2024</b>		
<b>Best Before date:</b>	<b>February 2029</b>		

This product meets the requirements of the European Regulations (EC) N°853/2004 and N°2073/2005 and all latest modifications.

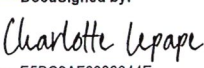
This product meets the requirements of the European Regulation (EC) n°629/2008 on contaminants (dietary supplements) and all latest modifications.

PARAMETERS	METHODS	UNITS	SPECIFICATIONS	VALUES
<b>Physico-chemical properties</b>				
Molecular Weight (Mw) (*)	Ext Lab	Da	2000	COMPLIANT
Protein content (*)	Ext Lab	%	≥ 90	COMPLIANT
Viscosity (20%, 25°C)	W-ANGL-FR-10149	mPa·s	2.0 - 4.0	3.9
pH	W-ANGL-FR-10097		5.0 - 6.5	6.4
Loss on drying	W-ANGL-FR-10147	%	≤ 10.0	6.3
Residue on ignition	W-ANGL-FR-10092	%	≤ 2.0	1.2
Color	W-ANGL-FR-10100		≤ 2.50	1.25
Turbidity	W-ANGL-FR-10101	NTU	≤ 10.0	2.1
Below 1000 µm (mesh #18) (*)	W-ANGL-FR-10170		≥ 95	≥ 95
Below 75 µm (mesh #200) (*)	W-ANGL-FR-10170		≤ 10	≤ 10
Density	W-ANGL-FR-10172	g/cm <sup>3</sup>	0.25 - 0.39	0.33
Sulfites (SO <sub>2</sub> ) (*)	Ext Lab	mg/kg	≤ 10	≤ 10
Peroxides	W-ANGL-FR-10681	mg/kg	≤ 10	≤ 10
<b>Heavy Metals</b>				
Arsenic (As) (*)	Ext Lab	mg/kg	≤ 1.0	≤ 1.0
Cadmium (Cd) (*)	Ext Lab	mg/kg	≤ 0.5	≤ 0.5
Chromium (Cr) (*)	Ext Lab	mg/kg	≤ 10	≤ 10
Copper (Cu) (*)	Ext Lab	mg/kg	≤ 30	≤ 30
Mercury (Hg) (*)	Ext Lab	mg/kg	≤ 0.10	≤ 0.10
Lead (Pb) (*)	Ext Lab	mg/kg	≤ 3.0	≤ 3.0
Zinc (Zn) (*)	Ext Lab	mg/kg	≤ 50	≤ 50
<b>Microbiological properties</b>				
Total Aerobic Microbial Count	W-ANGL-FR-10039	cfu/g	≤ 1000	≤ 1000
Escherichia coli	W-ANGL-FR-10059	10g	Absent	Absent
Salmonella	W-ANGL-FR-10042	25g	Absent	Absent
Anaerobic sulfite-reducing spores	W-ANGL-FR-10044	cfu/g	≤ 10	≤ 10

(\*) Part of monitoring plan.

Quality validation

14 février 2024

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