

# Endoca

## Certificate of Analysis

### Lion's Mane Mushroom Extract

**Endoca BV**  
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 ISO 22000 certified  
 HACCP certified; GMP certified

<b>Responsible Supervisor:</b>	<u>Martin V.</u>
<b>Sample</b>	<u>Batch 1LM</u>
<b>Date samples received:</b>	<u>29-January 2024</u>
<b>Date analysis began:</b>	<u>29-January 2024</u>
<b>Date sample report produced:</b>	<u>29-January 2024</u>
<b>Expiry date:</b>	<u>01-2027</u>
<b>Sample Mass</b>	<u>1 g</u>

<b>Product Description</b>	Lion's Mane Mushroom extract	
<b>Botanical Name</b>	Hericium erinaceus	
<b>Origin</b>	Fungal	
<b>Part(s) of plant used</b>	Mushroom (fruiting body)	
<b>Appearance</b>	Fine powder, brown	
<b>Bulk Density</b>	0.58 g/cc	
<b>Smell</b>	Characteristic	
<b>Taste</b>	Characterisctic	
<b>Particle size</b>	99% through 100 mesh	Result
<b>Moisture level</b>	≤ 10.0%	4.39%
<b>Beta-Glucans</b>	≥ 20.0%	26.9%
<b>Alfa-Glucans</b>	≤ 6%	5.23%
<b>Shelf life</b>	3 years	
<b>Storage</b>	Store at room temperature away from moisture and exposure to oxygen	
<b>Ingredients:</b>		
Hericium erinaceus	100%	

## MICROBIAL PROFILE

Component	Method	Unit	Specification	Result
<i>Listeria m.</i>	ISO 11290-1:2017	25 g	ND*	Conform
<i>E. coli</i>	ISO 16649-3:2015	CFU / 1 g	ND*	Conform
<i>Salmonella</i>	ISO 6579-1:2017	25 g	ND*	Conform
Yeast	ISO 7954:1999 (W)	CFU / 1 g	< 1.0x10 <sup>2</sup>	< 1.0x10 <sup>1</sup>
Mould		CFU / 1 g	< 1.0x10 <sup>2</sup>	< 1.0x10 <sup>1</sup>
Total microorganism	EN ISO 21528-2:2017	CFU / 1 g	< 1.0x10 <sup>4</sup>	< 1.0x10 <sup>1</sup>

\*ND - Not detected

## MYCOTOXIN PROFILE

Test	Method	Unit	Specification	Result
Aflatoxin B1	PN-EN 14123:2008	µg/kg	0,10 (0,10 ± 0,04)	<LOQ
Aflatoxin B2	PN-EN 14123:2008	µg/kg	0,05 (0,05 ± 0,02)	<LOQ
Aflatoxin G1	PN-EN 14123:2008	µg/kg	0,10 (0,10 ± 0,04)	<LOQ
Aflatoxin G2	PN-EN 14123:2008	µg/kg	0,05 (0,05 ± 0,02)	<LOQ
Sum of aflatoxins B1, B2, G1, G2		µg/kg		
Ochratoxin A	PB-456 ed. I of 15.10.2021	µg/kg	0,25 (0,25 ± 0,08)	<LOQ

## Heavy Metals Profile:

Test	Method	Unit	Specification	Result
Arsenic (As)	PN-EN 15763:2009	mg/kg	1,0 (1,00 ± 0,02)	<LOQ
Cadmium(Cd)	PN-EN 15763:2010	mg/kg	1,00 (1,00 ± 0,02)	<LOQ
Lead(Pb)	PN-EN 15763:2010	mg/kg	1,00 (1,00 ± 0,02)	<LOQ
Mercury (Hg)	PN-EN 15763:2010	mg/kg	0,010 (0,010 ± 0,002)	<LOQ
Chromium (Cr)	PN-EN 15763:2010	mg/kg	0,010 (0,010 ± 0,002)	<LOQ
Tin (Sn)	PN-EN 15763:2010	mg/kg	0,010 (0,010 ± 0,002)	<LOQ

## Contaminants

Test	Method	Unit	Specification	Result
Pesticides resid.	Eur.Ph.2.8.13	mg/kg	Eur.Ph.2.8.13	<LOQ
Solvents resid.	Eur.Ph.7.0	mg/kg	Eur.Ph.2.4.24	<LOQ
PAH	Method610	µg/kg	≤50.0	<LOQ