

## CERTIFICATE OF ANALYSIS

### Product Information

<b>Product Name:</b>	Nordic Shiitake Organic Extract Powder™
<b>Product Code:</b>	LEP-O-FD
<b>Organic ID:</b>	FI-EKO-201
<b>Batch Number:</b>	OLEP-NMFD-050623
<b>Production Time:</b>	6/2023
<b>Expiry Time:</b>	6/2025
<b>Specification:</b>	Food grade
<b>Raw Materials:</b>	Organic shiitake ( <i>Lentinula edodes</i> )
<b>Product Status:</b>	Packed
<b>Description:</b>	Extract powder produced from organic shiitake
<b>Certifications:</b>	EU (USDA equivalent) certified organic
<b>Extraction Method:</b>	Purified water, ultrasonic-assisted extraction

### Product Details

Parameter	Range	Method of Analysis
Mushroom used	100 % <i>Lentinula edodes</i>	Sensory evaluation
Appearance	Light brown	Sensory evaluation
Taste	Umami, sweet, slightly earthy	Sensory evaluation
Moisture	≤ 8 %	Thermogravimetric

### Product Quality

Parameter	Range	Results	Method of Analysis
<b>Organoleptic Analysis</b>			
Appearance	Characteristic- Uncharacteristic	Characteristic	Sensory evaluation
Taste	Characteristic- Uncharacteristic	Characteristic	Sensory evaluation
<b>Heavy Metal Analysis</b>			
Arsenic, As	≤ 2.0 ppm	< 0.5 ppm	ICP-MS: SFS-EN ISO 17294-2

Mercury, Hg	≤ 5.0 ppm	< 0.05 ppm	ICP-MS: SFS-EN ISO 17294-2
Cadmium, Cd	≤ 2.0 ppm	< 0.87 ppm	ICP-MS: SFS-EN ISO 17294-2
Lead, Pb	≤ 3.0 ppm	< 0.05 ppm	ICP-MS: SFS-EN ISO 17294-2
<b>Microbiological Analysis</b>			
Total aerobic microorganisms	≤ 100 000 cfu/g	< 5000 cfu/g	NMKL 86:2013, 30°C
<i>Escherichia coli</i>	≤ 100 cfu/g	< 10 cfu/g	Rapid E.coli2 Agar
Yeasts	≤ 1 000 cfu/g	< 100 cfu/g	NMKL 98:2005 OGYE-agar, 25 °C, 5-7 days
Molds	≤ 1 000 cfu/g	< 100 cfu/g	NMKL 98:2005 OGYE-agar, 25 °C, 5-7 days
Salmonella spp.	Not detected	Not detected	Internal method, SureTect real-time PCR, confirmation NMKL 71:1999
<b>Active Compounds</b>			
Beta 1(3)-1(6) glucan	≥ 13 %	25 %	Megazyme assay kit K-YBGL

Test report: 2023-19733, Metropolilab and 2023-28471, Metropolilab

## Packaging and Storage

**Packaging:**

Food-grade plastic bag with aluminum foil barrier

**Storage Conditions:**

Protected from light, moisture, and oxygen at room temperature of 15-20 degrees Celsius.



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