NORDIC MUSHROOMS

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	***NordRelease®*** Chaga Organic Extract Powder
Product Code:	IOP-O-FD
Organic ID:	EE-ÖKO-03
Batch Number:	OIOP-KMFD-300425
Production Time:	04/2025
Expiry Time:	04/2028
Specification:	Food grade
Raw Materials:	Organic chaga (*Inonotus obliquus*)
Origin of Raw Materials:	Chaga: Finland, organic certified forests
Product Status:	Packed
Description:	Extract powder produced from organic chaga
Certifications:	EU (USDA equivalent) certified organic
Extraction Method:	***NordRelease®*** extraction

Product Details

Parameter	Specification	Method of Analysis
Mushroom used	100 % *Inonotus obliquus*	Sensory evaluation
Appearance	Dark brown	Sensory evaluation
Taste	Rich, earthy, woody	Sensory evaluation
Moisture	≤ 8 %	Thermogravimetric

Product Quality

Parameter	Specification	Results	Method of Analysis
Organoleptic Analysis			
Appearance	Characteristic-Uncharacteristic	Characteristic	Sensory evaluation

Taste	Characteristic-Uncharacteristic	Characteristic	Sensory evaluation
Heavy Metal Analysis			
Arsenic, As	≤ 2.0 ppm	< 0.5 ppm	ICP-MS: SFS-EN ISO 17294-2
Mercury, Hg	≤ 0.1 ppm	< 0.05 ppm	ICP-MS: SFS-EN ISO 17294-2
Cadmium, Cd	≤ 1.0 ppm	0.2 ppm	ICP-MS: SFS-EN ISO 17294-2
Lead, Pb	≤ 3.0 ppm	1.48 ppm	ICP-MS: SFS-EN ISO 17294-2
Microbiological Analysis			
Total aerobic microorganisms	≤ 100 000 cfu/g	5 100 cfu/g	NMKL 86:2013, 30°C
Escherichia coli	≤ 10 cfu/g	< 10 cfu/g	Rapid E.coli2 Agar
Yeasts	≤ 1 000 cfu/g	300 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	SureTect real-time PCR, confirmation NMKL 71:1999
Active Compounds			
Beta 1(3)-1(6) glucan	≥ 5 %	9.36 %	Megazyme assay kit K-YBGL
Betulinic Acid	≥ 0.05 %	0.08%	LC-MS
Inotodiol	≥ 0.6 %	0.82%	LC-MS
Ergosterol	Not specified	0.01%	LC-MS

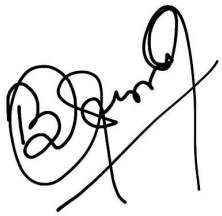
Packaging and Storage

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.

Storage Life 36 months

NORDIC
MUSHROOMS



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