

NORDIC CHAGA

Freeze Dried EXTRACT POWDER

Product Information

Description:	Extract powder made from organic chaga (<i>Inonotus obliquus</i>) conks.
Country of Origin:	Finland
Certifications:	EU/USDA certified organic
Extraction:	Made bioavailable through Ultrasonic Assisted Extraction
Compounds of Interest:	NLT 10% <i>Beta-glucans</i>
Moisture Ratio:	8-10%
Particle size:	powder

Materials used

Mushroom:	Chaga Botanical: <i>Inonotus obliquus</i> Only conks used (Chaga is not a fruiting body, but a mushroom conk)
Extraction solvents:	Water
Origin of raw materials:	Chaga: Finland, organic certified forests Purified water: Finland

Mushroom growing medium

Substrate:	Living Birch (Betula)
Certification:	Organic
Source:	Finland

Processing & Extraction

Processing of mushrooms:	Drying chaga conks, cell broken grinding, ultrasonic assisted extraction, freeze drying, grinding, 3rd party lab testing
Ultrasonic Assisted Extraction:	Through ultrasonication, the mushroom (chitin) cell walls are broken in order to increase bioavailability of compounds. Ultrasonic assisted water extraction guarantees that our mushroom extracts have the full spectrum of bioactive compounds. ¹
Manufacturing location:	Finland, KÄÄPÄ Headquarters

Certificates

Organic certifying body:	Finnish Food Authority & USDA
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Quality Control

Microbiological range:

Total count of colony forming units (CFU)	< 1.0×10^4 (CFU/g) at 30 °C
Mold & Yeast	< 1000 cfu/g
E.Coli	< 1.0×10^1 (CFU/g)
Salmonella	Not detected

Heavy metal range:

Arsenic	< 1.0 ppm
Cadmium	< 1.0 ppm
Mercury	< 0.1 ppm
Lead	< 1.0 ppm

Analytical values:

Batch specific microbiological and heavy metal analysis provided upon request.

Overview of Chaga

Chaga (*Inonotus obliquus*) has been used for a long time for its high levels of antioxidants², and to regulate gut microbiota³. Chaga has also been shown to inhibit oxidative DNA & RNA damage.⁴ A study shows that Chaga grown in Finland tested to have the highest concentration of β -(1,3)-(1,6)-D-glucans and triterpenoid compounds⁵.

With Ultrasonic Assisted Extraction, we also make sure the non-water soluble compounds (f.ex. triterpenoids) are made bioavailable.

Our foraging network harvests Chaga in organic certified forests of Lapland, Finland.

Compounds of Interest

Beta-Glucans

Assay: NLT 10%

Bioavailable Compounds

- β -(1,3)-(1,6)-D-glucans
- Triterpenoids
- Betulinic acid
- Sterols
- Melanin

Potential benefits

- Protect and support DNA⁶
- Protect against chronic inflammation⁷
- Scavenge free radicals to protect cells⁸
- Reduce growth of various cancers⁹
- Suppress tumor growth¹⁰
- Support immune system¹¹

Nordic Mushrooms