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® ESSENTIAL OILS

Pembroke Road, Ruislip HA4 8NQ

ORGANIC REISHI LIQUID EXTRACT

Product Information

| | |
|--------------------------------------|---|
| Description: | Dual liquid extract made from 100% Reishi (<i>Ganoderma lucidum</i>) fruiting bodies. Extract contains 25% alcohol. |
| Country of Origin: | Finland |
| Certifications: | EU/USDA certified organic, vegan, gluten free |
| Extraction: | Made bioavailable through ultrasonic assisted water and alcohol extraction. |
| Dry mushroom to liquid ratio: | 1:12 |

Materials used

| | |
|---------------------------------|---|
| Mushroom: | Reishi fruiting bodies Botanical: <i>Ganoderma lucidum</i> Only mushroom fruiting bodies used |
| Extraction solvents: | Water & ethyl alcohol (organic, kosher and gluten-free) |
| Origin of raw materials: | Reishi: Finland (KÄÄPÄ Headquarters) Purified water: Finland Organic alcohol: Netherlands |
| Growing medium: | Organic certified substrate |

Processing & Extraction

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|---|--|
| Processing of fruiting bodies: | Drying Reishi fruiting bodies, grinding, ultrasonic assisted extracting, filtering, 3rd party lab testing |
| Ultrasonic Assisted Extraction : | Through ultrasonication, the mushroom (chitin) cell walls are broken in order to increase bioavailability of compounds in the liquid extract. Ultrasonic assisted water and alcohol extraction guarantees that our mushroom extracts have the full spectrum of bioactive compounds. ¹ |
| Manufacturing location: | Finland, KÄÄPÄ Headquarters |

Certificates

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|-------------------------|--|
| Certifying body: | European Organic Certifiers Council (EOCC) |
|-------------------------|--|

Quality Control

Microbiological range:

| | |
|---|-------------------------|
| Total count of colony forming units (CFU) | <10,000 CFU/mL at 30 °C |
|---|-------------------------|

¹ <https://www.sciencedirect.com/topics/biochemistry-genetics-and-molecular-biology/ultrasound-assisted-extraction>



Heavy Metal range:

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

Analytical values:

Batch specific microbiological and heavy metal analysis provided upon request.

Overview of Reishi

Reishi (*Ganoderma lucidum*) is quite possibly the most popular functional mushroom on the planet. Reishi's calming effects are renowned. It's been used for restlessness, insomnia and palpitation in Asia for hundreds of years. In studies, Reishi extract significantly increased total sleep time and non-rapid eye movement (NREM) sleep.²

Bioavailable Compounds

- Triterpenes
- β -(1,3)-(1,6)-D-glucans
- Ganoderic acid
- Ganodermic acid

Reishi extract may

- Protect against oxidative stress³
- Reduce inflammation⁴
- More restful night sleep⁵
- Fighting fungal overgrowth⁶

² <https://www.sciencedirect.com/science/article/abs/pii/S0378874111008981>

³ <https://link.springer.com/article/10.1007/s11010-017-3053-6>

⁴ <https://www.ncbi.nlm.nih.gov/pubmed/25271985>

⁵ <https://pubmed.ncbi.nlm.nih.gov/22207209/>

⁶ <http://www.dl.begellhouse.com/journals/708ae68d64b17c52.5b711a741ddf87a8.36329d351ccba418.html>



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Nordic Mushrooms

Why is it important to know *where your mushrooms come from*? Quality and product safety are everything when it comes to medicinal mushroom extracts. Finland tested for the purest air and water ever measured which guarantees high quality mushrooms.

Nordic Mushrooms certificate guarantees you and your customers that mushrooms have grown in a pure environment, and that only fruiting bodies were used in the process. This means an honest and potent mushroom product.

We take pride in using 100% Nordic Mushrooms.

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