

Organic Chaga Mushroom Powder



What is Organic Chaga Mushroom Powder?

Organic Chaga Mushroom Powder is derived from the fruiting body of *Inonotus obliquus*—the celebrated "King of Mushrooms" that grows exclusively on birch trees in the boreal forests of Northern Europe, Russia, Canada, and northern China. Chaga has been revered for centuries in traditional wellness systems, particularly in Siberia, Scandinavia, and among indigenous North American communities, where it was traditionally brewed as a tea for its purported health-supporting properties.

Wild-Harvested from Pristine Forests

ORGANICWAY sources chaga from certified organic forests with confirmed clean environmental conditions—no agricultural runoff, industrial pollution, or heavy metal contamination. Wild-harvesting ensures the mushroom absorbs the birch tree's bioactive compounds, including betulin, betulinic acid, and inotodiol, which are not present in cultivated varieties. Harvest protocols ensure only mature, fully developed chaga sclerotia are collected, preserving forest sustainability.

Two Formats for Every Formulation Need

Chaga products are available in two distinct formats to serve different market requirements:

- **Chaga Mushroom Powder** (whole fruiting body): Produced by cold-drying wild-harvested chaga at low temperatures, then fine-milling to 80–120 mesh. This format retains the complete matrix of beta-glucans, polysaccharides, polyphenols, triterpenes, and dietary fiber. Best consumed in warm liquids, teas, or incorporated into food formulations. Ideal for clean-label whole-food positioning and high-fiber applications.

- **Chaga Extract Powder:** Water or hydro-alcoholic extraction concentrates the active compounds—particularly beta-glucans and water-soluble polysaccharides—followed by spray drying into a free-flowing powder. Available in **≥30% polysaccharide (UV)** and **≥50% polysaccharide (UV)** grades, or custom specifications. Superior dispersibility in both hot and cold liquids makes it ideal for instant beverages, capsules, and clinical-dose formulations. Less fiber and more concentrated than whole mushroom powder.

Key Functional Benefits

- **Immune Support:** Naturally occurring beta-glucans and polysaccharides modulate and support immune system function
- **Antioxidant Protection:** Rich in polyphenols and triterpenes (betulin, inotodiol) provide potent antioxidant activity
- **Adaptogenic Properties:** Traditionally used to support the body's stress response and overall vitality
- **Gut Health:** Beta-glucans serve as prebiotic fiber supporting beneficial gut microbiota
- **Anti-Fatigue:** Historically used in traditional medicine for sustained energy without stimulation

Clean Label Guarantee

Both formats are 100% pure chaga—no carriers, maltodextrin, fillers, or synthetic additives. Suitable for vegan, gluten-free, and allergen-free formulations. Each batch is tested for microbial safety, heavy metals, and pesticide residues.

PHYSICAL & CHEMICAL PROPERTIES

Main Specification Table

| Parameter | Mushroom Powder | Extract Powder |
|-------------------------------|--|---|
| Source | Wild-harvested <i>Inonotus obliquus</i> fruiting body (birch tree host) | Wild-harvested <i>Inonotus obliquus</i> fruiting body |
| Bioactive Compounds | Naturally occurring beta-glucans, polysaccharides, polyphenols, triterpenes (betulin, inotodiol) | Standardized polysaccharides; naturally occurring beta-glucans, triterpenes |
| Polysaccharide Content | Naturally variable, naturally abundant | ≥30% (UV) or ≥50% (UV); custom upon request |
| Appearance | Fine brown to dark brown powder | Fine light to dark brown extract powder |
| Flavor / Aroma | Mild earthy, woody; characteristic chaga taste | Concentrated earthy aroma; less fibrous than whole powder |

| Parameter | Mushroom Powder | Extract Powder |
|----------------------------|--|--|
| Solubility | Dispersible; best in warm liquids, teas | Superior dispersibility; suitable for instant formulations |
| Particle Size | 80-120 mesh (customizable) | 80-120 mesh (customizable) |
| Loss on Drying | ≤7.0% | ≤7.0% |
| Ash Content | ≤8.0% | ≤8.0% |
| Dietary Suitability | Vegan, Gluten-Free, Non-GMO, Organic Certified | Vegan, Gluten-Free, Non-GMO, Organic Certified |
| Carriers / Fillers | None — 100% pure chaga | None — 100% pure extract |
| Shelf Life | 24 months (unopened, sealed) | 24 months (unopened, sealed) |

Product Grade Options

| Product Grade | Polysaccharide Content | Extraction Method | Solubility | Typical Application |
|---------------------------|--------------------------------|--|-----------------------------------|---|
| Mushroom Powder | Naturally occurring (abundant) | Wild-harvested → cold-dry → fine-milling | Dispersible; best in warm liquids | High-fiber supplements, teas, whole-food formulations |
| Extract Powder 30% | ≥30% polysaccharides (UV) | Water or hydro-alcoholic extraction + spray drying | Excellent; hot & cold soluble | Capsules, functional beverages, clinical formulas |
| Extract Powder 50% | ≥50% polysaccharides (UV) | Water or hydro-alcoholic extraction + spray drying | Excellent; hot & cold soluble | High-potency capsules, concentrated supplements |
| Custom | Upon request | Bespoke extraction | Bespoke | Tailored formulation requirements |

MICROBIOLOGICAL & CONTAMINANT STANDARDS

| Test Item | Specification | Testing Method |
|--------------------------------|--|----------------|
| Total Plate Count (TPC) | ≤100,000 CFU/g (general); tighter limits available | ISO 4833 |
| Yeast & Mold | ≤1,000 CFU/g | ISO 21527 |
| <i>E. coli</i> | Negative / g | ISO 16649 |
| <i>Salmonella</i> | Negative / 25g | ISO 6579 |
| Lead (Pb) | ≤0.5 ppm | ICP-MS |
| Arsenic (As) | ≤0.5 ppm | ICP-MS |
| Cadmium (Cd) | ≤0.3 ppm | ICP-MS |
| Mercury (Hg) | ≤0.1 ppm | ICP-MS |

| Test Item | Specification | Testing Method |
|---------------------------|-----------------------------------|-----------------|
| Pesticide Residues | Compliant with NOP/EU organic MRL | LC-MS/MS, GC-MS |

Note on Heavy Metals: Wild-harvested chaga absorbs compounds from its host tree and surrounding environment. ORGANICWAY sources from certified organic forests confirmed free from industrial contamination. Each batch is tested for heavy metals to ensure compliance with international food safety limits. For applications in countries with stricter heavy metal thresholds, please confirm specifications with the sales team.

CERTIFICATIONS

| Certification | Status | Issuing Body |
|----------------------|------------------------|------------------------|
| USDA Organic | ✓ Available | USDA NOP |
| EU Organic | ✓ Available | EU 834/2007 |
| Non-GMO | ✓ Verified | Third-party lab |
| Vegan | ✓ Verified | Self-declaration |
| Gluten-Free | ✓ Verified | Third-party lab |
| Allergen-Free | ✓ Verified | Third-party audit |
| Kosher | ✓ Available on request | Certified agency |
| Halal | ✓ Available on request | Certified agency |
| ISO 22000 | ✓ Compliant | Bureau Veritas / SGS |
| HACCP | ✓ Compliant | Third-party audit |
| GMP | ✓ Compliant | Internal + third-party |

APPLICATIONS & USAGE GUIDELINES

Primary Application Matrix

| Application Category | Form Recommendation | Key Benefit |
|--|--|--|
| Dietary Supplements | Capsules, tablets, sachets (Mushroom Powder or Extract) | Immune support, adaptogenic properties |
| Functional Beverages | Teas, coffees, wellness drinks, instant sachets | Antioxidant protection, sustained energy |
| Superfood & Adaptogen Blends | Powder mixes, superfood greens, mushroom coffee alternatives | Full-spectrum beta-glucans, whole-food positioning |
| Nutraceutical / Clinical Formulas | Standardized Extract Powder ≥30-50% | Precise dosing, clinical-dose immune support |

| Application Category | Form Recommendation | Key Benefit |
|----------------------|--|-----------------------------------|
| Food Applications | Incorporated into bars, snacks, cooking recipes (Extract preferred for solubility) | Clean-label functional ingredient |

Formulation Guidelines

Mushroom Powder vs. Extract Powder

| Consideration | Mushroom Powder | Extract Powder |
|---------------------|---|---|
| Fiber Content | High — full dietary fiber matrix retained | Low — extraction removes fiber |
| Beta-Glucan Density | Naturally abundant, variable | Standardized, consistent per batch |
| Solubility | Best in warm/hot liquids; dispersible in cold | Excellent in hot and cold liquids |
| Dose Size | Larger servings (500 mg–3 g per day) | Smaller servings (200–500 mg per day) |
| Label Positioning | Whole food, superfood, high-fiber | Standardized extract, clinical strength |
| Cost Efficiency | Lower cost per gram | Higher concentration, lower dose cost |

Dosage Recommendations

- **Mushroom Powder:** 500 mg–3 g per day (split doses)
- **Extract Powder ≥30%:** 200–500 mg per day (equivalent to ~2–5 g raw equivalent)
- **Extract Powder ≥50%:** 100–300 mg per day (equivalent to ~2–6 g raw equivalent)
- Always consult a healthcare professional for personalized dosing

Solubility & Mixing

- Extract Powder ≥30–50%: Fully water-soluble — suitable for instant beverages, capsules, and liquid formats
- Mushroom Powder: Best for warm liquids (teas, broths) or food applications; disperses in cold liquids with shaking

Sensory Notes

- Characteristic mild earthy, woody flavor
- Less intense than some other functional mushrooms (e.g., reishi)
- Extract powder has a more concentrated earthy aroma with less fibrous texture

- For beverages: pair with adaptogenic herbs, superfood greens, or coffee alternatives for complementary flavor profiles

Stability Notes

- Shelf life: **24 months** (unopened, sealed, original packaging)
- Protect from moisture, direct sunlight, and strong odors
- Recommended packaging: airtight, moisture-resistant, UV-blocking container
- Humidity control essential to prevent clumping

FAQ

Q: What is the difference between Chaga Mushroom Powder and Chaga Extract Powder?

A: The key difference is fiber vs. concentration. **Chaga Mushroom Powder** is made from the whole wild-harvested fruiting body, cold-dried and fine-milled to 80–120 mesh. It retains the complete matrix of beta-glucans, polysaccharides, polyphenols, triterpenes (betulin, inotodiol), and dietary fiber. It has a mild earthy, woody flavor and is best consumed in warm liquids or incorporated into food formulations. Ideal for clean-label whole-food and high-fiber positioning.

Chaga Extract Powder undergoes water or hydro-alcoholic extraction followed by spray drying, which concentrates the bioactive compounds—particularly water-soluble polysaccharides and beta-glucans—while removing most of the fibrous matrix. Available in $\geq 30\%$ or $\geq 50\%$ polysaccharide grades (UV-verified), it has superior solubility in both hot and cold liquids and requires smaller serving sizes for equivalent bioactive intake. Best for capsules, clinical-dose formulations, and instant beverages.

Q: Can Chaga mushroom powder be used in cold beverages?

A: **Chaga Extract Powder** dissolves well in cold liquids, making it suitable for cold-brewed beverages, wellness drinks, and shaker-ready formats. **Chaga Mushroom Powder** is best suited for warm liquids (teas, broths, warm water) or food applications; it disperses in cold liquids but may settle over time due to its high fiber content. For cold-beverage applications, the Extract Powder format is recommended.

Q: Can Chaga be used long-term?

A: Chaga mushroom has a long history of traditional use in folk medicine, often consumed regularly over extended periods. Current scientific evidence supports moderate, consistent daily use. Chaga is generally considered safe for most adults when consumed at recommended serving sizes. As with any dietary

supplement, it is recommended to consult a qualified healthcare professional before beginning long-term use, particularly for individuals with pre-existing health conditions, those taking medications, or those who are pregnant or breastfeeding.

Q: Do you offer bulk or private-label customization?

A: Yes. ORGANICWAY offers comprehensive customization options for both Chaga Mushroom Powder and Chaga Extract Powder: (1) **Quantity**: Sample minimum 5 kg; bulk minimum 25 kg per barrel; (2) **Extract specifications**: $\geq 30\%$ or $\geq 50\%$ polysaccharides (UV), or custom percentage; (3) **Particle size**: 80-120 mesh standard; custom sizes available; (4) **Packaging**: Kraft bag + PE liner (standard), foil zipper bags, amber glass jars, or full private-label packaging; (5) **Blending**: Custom mushroom blends or multi-ingredient pre-mixes. Contact the sales team to discuss your private-label requirements.

Q: Is wild-harvested Chaga safe from heavy metal contamination?

A: Wild-harvested chaga absorbs compounds from its host birch tree and surrounding soil, which is why sourcing from certified organic forests with confirmed clean environmental conditions is critical. ORGANICWAY sources chaga from certified organic forests in regions confirmed free from industrial pollution, agricultural runoff, and radioactive contamination. Every batch is tested for heavy metals (lead, arsenic, cadmium, mercury) by ICP-MS to ensure compliance with international food safety limits (e.g., EU, FDA, CFIA). For countries with stricter heavy metal thresholds, please confirm specifications with the sales team.

Q: What are the main health-supporting properties of Chaga?

A: Chaga (*Inonotus obliquus*) is traditionally and scientifically recognized for multiple health-supporting properties: (1) **Immune Modulation** — Beta-glucans and polysaccharides help modulate and support immune system function, particularly through NK cell activity and macrophage activation; (2) **Antioxidant Protection** — Rich in polyphenols, triterpenes (betulin, betulinic acid, inotodiol), and superoxide dismutase (SOD) providing potent antioxidant activity; (3) **Adaptogenic Support** — Traditionally used to help the body adapt to physical and environmental stress; (4) **Gut Health** — Beta-glucans serve as prebiotic fiber supporting beneficial gut microbiota and digestive health; (5) **Anti-Fatigue** — Historically used in traditional medicine for sustained energy and vitality without overstimulation.

Q: What is the minimum order quantity and typical lead time?

A: Sample orders start at **5 kg**. Bulk orders minimum is **25 kg** per barrel (20 kg kraft bag also available). Standard production lead time is **10-20 days** from order confirmation. Free samples are available via

FedEx, UPS, or EMS. Payment terms include D/A, D/P, L/C, T/T, MoneyGram, Western Union, and Credit Card. Delivery ports: Qingdao or Tianjin.

Q: How should this product be stored?

A: Store in a **cool, dry, and dark place** away from direct sunlight and strong-smelling substances. Keep the packaging **sealed** when not in use to prevent moisture absorption and oxidation. The product has a shelf life of **24 months** when stored properly in sealed, original packaging. Recommended storage temperature: $\leq 25^{\circ}\text{C}$ with humidity $\leq 60\%$. Avoid refrigerating unless the packaging is fully airtight—moisture ingress can cause clumping and degradation of active compounds.

PACKAGING & STORAGE



Standard Packaging Options

| Package Size | Material | Units / Pallet |
|--------------------|--|-------------------------------|
| 25 kg | Food-grade fiber drum with PE liner | 40 drums / pallet (~1,000 kg) |
| 20 kg | Kraft paper bag with PE liner | Upon request |
| 10 kg | Kraft paper bag with PE liner | Custom arrangement |
| 5 kg | Foil zipper bag (for samples) | Upon request |
| Retail Size | Amber glass jar, kraft bag, or private-label packaging | Upon request |
| Custom | Private-label packaging | Upon request |

Pallet Specifications

| Parameter | Value |
|-----------|-------|
|-----------|-------|

| | |
|-------------------------|------------------------------|
| Dimensions (approx.) | 40 × 40 × 60 cm |
| Total Weight per Pallet | ~1,000 kg (40 × 25 kg drums) |

Storage Conditions

| Parameter | Specification |
|--------------------|---|
| Temperature | Cool, dry place (recommended ≤25°C) |
| Humidity | ≤60% relative humidity |
| Packaging | Airtight, moisture-resistant, UV-blocking |
| Shelf Life | 24 months from production date (unopened, sealed) |
| Light | Protect from direct sunlight |
| Odors | Store away from strong-smelling substances |

For more information, please visit our website:

<https://www.organic-way.com/products/organic-chaga-mushroom-powder/>