

# Organic Ginseng Extract Powder



## What is Organic ginseng extract powder?

Organic Ginseng Extract Powder represents the premium tier of Panax ginseng supplementation—a concentrated, standardized format engineered for brands requiring maximum ginsenoside delivery with verified potency. Produced from 100% organic ginseng roots cultivated in Korea and China's mountainous organic farms using sustainable wild-simulated cultivation methods that ensure soil regeneration and long-term ecological balance.

### The Extraction Process

ORGANICWAY Organic Ginseng Extract Powder undergoes a dual-solvent water-alcohol extraction process followed by spray drying, resulting in a fine 100–120 mesh powder with excellent solubility and flow properties. This method efficiently extracts both water-soluble polysaccharides and alcohol-soluble ginsenosides, capturing the full bioactive spectrum of Panax ginseng in a concentrated, standardized format.

### Standardized Ginsenoside Profile

Each batch is standardized to contain:

- **Ginsenosides: 20%** (primarily Rb1 and Rg1)
- **Polysaccharides:** Natural content preserved through gentle processing

This standardization provides consistent potency across batches, enabling brands to make precise "20% ginsenoside" and "standardized adaptogen" claims backed by analytical verification.

**Functional Benefits**

ORGANICWAY Organic Ginseng Extract Powder supports three key health categories:

**Cognitive Enhancement:** Clinical research demonstrates that Rg1 improves memory and focus. Studies show 15% improvement in cognitive test scores among regular users.

**Athletic Performance:** Human clinical trials document a 12% increase in VO2 max among subjects using standardized ginseng extract, supporting aerobic capacity and exercise endurance.

**Stress Adaptation:** Ginsenosides Rb1 and Rg1 function as adaptogens, helping the body manage physical and mental stress while supporting immune function through natural killer (NK) cell activity and cytokine balance.

**Versatile Applications**

The fine particle size (100-120 mesh) and spray-dried format make ORGANICWAY Organic Ginseng Extract Powder ideal for capsules, concentrated liquid supplements, and functional beverages. It pairs well with coffee (100-200mg to neutralize caffeine jitters) and integrates seamlessly into energy drink formulations.

**PHYSICAL & CHEMICAL PROPERTIES**

**Extract Powder Specification**

Parameter	Specification
Species	<i>Panax ginseng</i> C.A. Meyer
Source	Organic farms, Korea and China (mountainous regions)
Cultivation	Wild-simulated, sustainable
Processing	Water-alcohol extraction, spray drying
Ginsenoside Content	20% (standardized)

Parameter	Specification
<b>Polysaccharides</b>	Natural content (preserved)
<b>Particle Size</b>	100-120 mesh (fine powder)
<b>Solubility</b>	Good water solubility; dispersible in alcohol
<b>Appearance</b>	Fine light-colored powder
<b>Shelf Life</b>	36 months
<b>Storage</b>	Cool dry place, sealed container

### Related Product Forms (For Reference)

Product Form	Processing	Ginsenosides	Mesh	Shelf Life
<b>Extract Powder</b>	Water-alcohol extraction, spray dried	20%	100-120	36 months
<b>Root Powder</b>	Air-dried, stone-ground	5-7%	60-80	24 months
<b>Dried Root</b>	Sun-dried, hand-trimmed	8-10%	Whole/sliced	36 months
<b>Fresh Root</b>	Harvested, unwashed, clay-packed	Fresh (70% moisture)	Whole	3 weeks (refrigerated)

### MICROBIOLOGICAL & CONTAMINANT STANDARDS

Test Item	Specification	Testing Method
<b>Total Plate Count</b>	≤100,000 CFU/g	ISO 4833
<b>Yeast &amp; Mold</b>	≤1,000 CFU/g	ISO 21527
<b>Coliforms</b>	≤100 CFU/g	ISO 4831
<b>E. coli</b>	Negative/g	ISO 16649
<b>Salmonella</b>	Negative/25g	ISO 6579
<b>Lead (Pb)</b>	≤0.5 ppm	ICP-MS
<b>Arsenic (As)</b>	≤0.5 ppm	ICP-MS
<b>Cadmium (Cd)</b>	≤0.3 ppm	ICP-MS
<b>Mercury (Hg)</b>	≤0.1 ppm	ICP-MS
<b>Pesticide Residues</b>	Compliant with EU MRL (organic verified)	LC-MS/MS, GC-MS
<b>Solvent Residue</b>	Compliant with ICH limits	GC-MS

## CERTIFICATIONS

Certification	Status	Applicable Forms
<b>USDA Organic</b>	<input type="checkbox"/> Available	Extract Powder, Dried Root
<b>EU Organic</b>	<input type="checkbox"/> Available	Root Powder
<b>Non-GMO</b>	<input type="checkbox"/> Verified	Dried Root
<b>Wildcrafted</b>	<input type="checkbox"/> Certified	Root Powder
<b>Vegan</b>	<input type="checkbox"/> Verified	All forms

Certification	Status	Applicable Forms
<b>ISO 22000</b>	<input type="checkbox"/> Compliant	Extract Powder
<b>Halal</b>	<input type="checkbox"/> Available	Extract Powder
<b>Kosher</b>	<input type="checkbox"/> Available on request	Dried Root
<b>GMP</b>	<input type="checkbox"/> Compliant	All forms

## APPLICATIONS & USAGE GUIDELINES

### Primary Application Matrix (Extract Powder Focus)

Application Category	Form Recommendation	Usage Rate
<b>Capsules &amp; Tablets</b>	Extract Powder	100-200mg per capsule (100-500mg daily)
<b>Concentrated Liquid Supplements</b>	Extract Powder	100-300mg per serving
<b>Energy Beverages</b>	Extract Powder	50-200mg per serving
<b>Functional Coffee Blends</b>	Extract Powder	100-200mg per cup
<b>Nootropic Formulas</b>	Extract Powder	100-300mg per serving

### Related Forms Application Matrix

Product Form	Applications

<b>Root Powder</b>	Daily tonics (mixed with honey or oatmeal), facial masks for skin revitalization
<b>Dried Root</b>	Traditional decoctions, tinctures, gift sets
<b>Fresh Root</b>	Fresh juice, fermented foods, salads

## Formulation Guidelines

### For Capsules

- Typical fill: 100–200mg extract powder per capsule
- Daily recommended dose: 100–500mg total
- Excellent flow properties for high-speed encapsulation
- Pair with black pepper extract (piperine) for enhanced absorption

### For Energy Beverages

- Water-soluble for rapid dissolution in RTD applications
- Heat-stable for hot beverage applications
- Natural mildly bitter taste—pair with sweeteners or citrus flavors
- Standard dose: 50–200mg per serving

### For Coffee Blends

- Add 100–200mg to neutralize caffeine jitters
- Supports smooth, sustained energy without crash
- Compatible with most coffee preparation methods

### Stability Notes

- Shelf life: 36 months when stored properly
- Protect from excessive moisture and humidity
- Maintain cool, dry storage conditions
- No refrigeration required

## FAQ

## **Q: Which ginseng product form is best for energy and quick adaptogenic support?**

A: ORGANICWAY Organic Ginseng Extract Powder (20% ginsenosides) offers the fastest-acting adaptogenic support due to its concentrated format and fine particle size (100–120 mesh). For sustained daily energy, Root Powder (5–7% ginsenosides) mixed with honey or oatmeal provides longer-lasting effects. The Extract Powder is recommended for capsules, concentrated supplements, and functional beverages requiring precise dosing.

## **Q: Can I grind dried ginseng roots into powder at home?**

A: While it is possible to grind dried ginseng roots at home using a high-powered blender or grinder, commercial milling ensures consistent texture, particle size distribution, and potency. ORGANICWAY Organic Root Powder is stone-ground to 60–80 mesh under controlled conditions, providing uniform quality that is difficult to replicate with home equipment.

## **Q: How should I store fresh ginseng root?**

A: Fresh ginseng should be kept refrigerated at 2–4°C in clay pots or perforated plastic bags to maintain humidity. Consume within 3 weeks for optimal freshness and bioactive potency. Do not wash before storage—keep the root unwashed to preserve natural protective compounds.

## **Q: Is ginseng safe during pregnancy or breastfeeding?**

A: Pregnant or breastfeeding individuals should consult a healthcare professional before using ginseng products. Panax ginseng may stimulate uterine activity. We recommend professional medical advice before incorporating ginseng supplements into prenatal or postnatal regimens.

## **Q: Can I use ginseng extract powder in coffee?**

A: Yes. Adding 100–200mg of ORGANICWAY Organic Ginseng Extract Powder to coffee can help neutralize caffeine-induced jitters while supporting smooth, sustained energy. The extract dissolves well and does not significantly alter coffee flavor at typical inclusion rates.

## **Q: What is the difference between the four ginseng product forms?**

A: The four forms offer different concentration levels and applications: (1) Extract Powder—20% ginsenosides, fine 100–120 mesh, spray-dried, best for capsules and beverages; (2) Root Powder—5–7%

ginsenosides, 60–80 mesh, air-dried and stone-ground, best for daily tonics and topical applications; (3) Dried Root—8–10% ginsenosides, whole or sliced, sun-dried, best for traditional decoctions and tinctures; (4) Fresh Root—highest enzyme activity and bioavailability, perishable, best for juices and culinary use.

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

A: Sample orders start at 5kg. Bulk orders require a minimum of 25kg. Standard lead time is 10–20 days from order confirmation. Free samples available via FedEx, UPS, or EMS.

**Q: What certifications are available for ginseng products?**

A: Certifications vary by product form. Extract Powder: USDA Organic, ISO 22000, Halal. Root Powder: EU Organic, Wildcrafted Certified. Dried Root: Kosher, USDA Organic, Non-GMO. Fresh Root: No specific certifications listed (perishable product). All forms are produced in GMP-compliant facilities.

**PACKAGING & STORAGE**



**Standard Packaging Options**

Package Size	Material	Units/Pallet
25 kg	Food-grade fiber drum with PE liner	40 drums/pallet
10 kg	Food-grade carton with PE liner	80 cartons/pallet
5 kg	Foil zipper bag (for samples)	200 bags/pallet

Package Size	Material	Units/Pallet
1 kg	Foil zipper bag	Custom arrangement

### Storage Conditions by Product Form

Product Form	Temperature	Humidity	Shelf Life
Extract Powder	Cool dry place	≤60% RH	36 months
Root Powder	Cool dry place	≤60% RH	24 months
Dried Root	Cool dry place	≤60% RH	36 months
Fresh Root	Refrigerated 2–4°C	High humidity (clay pot)	3 weeks

For more information, please visit our website:

<https://www.organic-way.com/products/organic-ginseng-extract-powder/>