

Organic Siberian Ginseng Extract Powder



What is organic Siberian ginseng extract powder?

Organic Siberian Ginseng Extract Powder (*Eleutherococcus senticosus*) is a concentrated adaptogen derived from sustainably wildcrafted roots. Utilizing advanced **CO₂ supercritical extraction**, it delivers **10% minimum eleutherosides** with validated adaptogenic effects for energy, cognitive function, and immune support—free from overstimulation.

Specifications

Parameter	Standardized Extract (10%)	Enhanced Extract (20%)
Extraction Method	CO ₂ Supercritical + Ethanol	Dual-phase CO ₂ + H ₂ O
Eleutherosides	≥10% (HPLC)	≥20% (HPLC)

Parameter	Standardized Extract (10%)	Enhanced Extract (20%)
Eleutheroside B:E Ratio	8:1	10:1
Solubility	Water-soluble	Oil/Water-soluble (nanoemulsion)
Appearance	Fine brown powder	Light tan powder
Key Actives	Eleutheroside B, E, syringin	Eleutheroside B, E, isofraxidin
ORAC Value	9,500 µmol TE/g	14,000 µmol TE/g
Particle Size	80-100 mesh	200 mesh (micronized)

Clinical Benefits & Mechanisms

1. Stress Adaptation:

1. ↓ **Cortisol** (24% reduction in human trials)
2. Modulates HPA axis activity.

2. Energy & Endurance:

1. ↑ ATP synthesis (mitochondrial support) by 18%.

3. Immune Enhancement:

1. ↑ NK cell activity (43%) & ↑ T-cell proliferation.

4. Cognitive Function:

1. Improves focus under stress (+22% attention scores).

Certifications & Compliance

- **Organic:** USDA, EU 834/2007, COR (Canada)
- **Sustainability: FairWild Certified** ($\leq 3\%$ annual harvest)
- **Non-GMO:** ISO 17025 certified
- **Purity:**
 - Heavy Metals: Pb $< 0.2\text{ppm}$, As $< 0.1\text{ppm}$, Cd $< 0.05\text{ppm}$
 - Solvents: Ethanol $< 100\text{ppm}$ (ICH Q3C compliant)
 - Mycotoxins: Aflatoxin B1 $< 1\text{ppb}$
- **Allergens:** Gluten-free, soy/dairy/nut-free

Applications

Nutraceuticals

- **Capsules/Tablets:** 250-500mg doses for stress complexes.
- **Functional Foods:**
 - Energy bars (heat-stable to 120°C), powdered drink mixes.
- Instant adaptogenic lattes, focus-enhancing tonics.
- Pre-workout blends (synergizes with cordyceps/rhodiola).

Beverages

Sports Nutrition

Technical Advantages

- **Bioavailability:**
 - **Nanoemulsion option:** $3.2\times$ \uparrow absorption vs. standard extract.
- **Stability:**
 - 36-month shelf life; retains $> 95\%$ actives at 25°C .
- **Synergistic Blends:**
 - Optimized with **Ashwagandha KSM-66®** (stress synergy).

Why Choose Our Extract?

1. **Ethical Wildcrafting:**

1. Hand-harvested in Russian Far East (GPS-tracked sustainable zones).

2. **Cutting-Edge Extraction:**

1. **CO₂ + Biomimetic Water™** tech maximizes polar/non-polar actives.

3. **Clinical Backing:**

1. Access to **8 human studies** for label claims.

4. **Customization:**

1. **Organic liquid extracts** (1:2 glycerites) & **synergistic stacks** available.

FAQs

Q: How does this differ from Panax ginseng?

A: Eleuthero is **non-stimulating**—ideal for **chronic stress** vs. Panax's acute energy boost.

Q: Daily efficacy dosage?

A: **100-300mg** of 10% extract (human trial validated).

Q: MOQ & sampling?

A: **5kg samples**; Bulk MOQ **25kg**. Retail-ready blends MOQ: 50kg.

Q: Testing methods?

A: Eleutherosides quantified via **HPLC-DAD**; contaminants by **ICP-MS**.

Packing



Want to learn more about this product or have any questions?

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