

# Organic Siberian Ginseng Root Powder



## What is organic Siberian ginseng root powder?

**Organic Siberian Ginseng Root Powder** is derived from the wild-harvested roots of *Eleutherococcus senticosus* (not a true ginseng but an adaptogenic alternative). Traditionally used in Siberian and TCM practices, it enhances **stress resilience, physical endurance, and immune function** without overstimulation—ideal for modern energy and focus formulations.

## Specifications

Parameter	Specification
<b>Botanical Source</b>	<i>Eleutherococcus senticosus</i> root (4-7 years old)
<b>Origin</b>	Wildcrafted in Primorsky Krai, Russia (sustainably managed forests)
<b>Active Compounds</b>	<b>0.8% min. Eleutherosides</b> (B:E = 8:1)

Parameter	Specification
<b>Processing</b>	Low-temperature drying (<40°C), micronized to 80 mesh
<b>Color &amp; Aroma</b>	Light tan powder; earthy, slightly sweet scent
<b>Solubility</b>	Water-soluble; dispersible in liquids
<b>Heavy Metals</b>	Pb <0.5ppm, As <0.3ppm, Cd <0.1ppm
<b>Microbiology</b>	TPC <10,000 CFU/g; absent <i>Salmonella</i> , <i>E. coli</i>
<b>Residual Solvents</b>	Undetectable
<b>Moisture</b>	≤8%

## Functional Benefits & Mechanisms

### 1. Adaptogenic Action:

1. **Modulates cortisol** (reduces serum levels by 18-25% in clinical trials).
2. Enhances ATP production **mitochondrial support**.

### 2. Immune Support:

1. **Stimulates NK cells and macrophages** (upregulates IL-2, IFN-γ).

### 3. Cognitive & Physical Performance:

1. Improves **mental clarity** and reaction time under stress.
2. Extends **exercise endurance** by reducing perceived exertion.

## Applications

### Nutraceuticals

- **Capsules/Tablets:** Standardized 250-500mg doses for stress/energy complexes.
- **Functional Foods:** Added to protein bars, adaptogenic teas (heat-stable ≤120°C).
- **Beverages**
- **Energy Drinks:** Synergizes with rhodiola and schisandra (no bitterness).
- **Shots:** Rapid-dissolving liquid adaptogen blends.
- **Topicals**
- **Recovery Creams:** Reduces muscle fatigue markers (lactic acid).

## Certifications & Compliance

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- **Organic:** USDA NOP, EU 834/2007, COR
- **Sustainability: FairWild Certified** (ethical wildcrafting; ≤5% annual root harvest)
- **Identity & Purity:**
  - **HPLC-validated** eleutheroside B and E content.
  - **DNA barcoding** for species authentication.
  - Non-GMO, Gluten-Free, Vegan
- **Regulatory:** Compliant with FDA GRAS, EFSA novel foods.

## Technical Differentiation

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- **Wildcrafted Superiority:** 300% higher eleutheroside content vs. cultivated sources.
- **Synergistic Formulas:** Blends optimally with **ashwagandha** (stress synergy) and **cordyceps** (endurance).
- **No Stimulant Side Effects:** Zero caffeine/jitter risk; safe for long-term use.

## Why Our Powder?

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### 1. Ethical Wildcrafting:

1. **Botany-Guided Harvest:** GPS-mapped mature roots (>5 years); ≤2% juvenile plant impact.

### 2. Potency Preservation:

1. **Cryogenic Milling:** Protects heat-sensitive eleutherosides.

### 3. Traceability:

1. **Blockchain-Verified:** From forest to facility (batch-specific geolocation data).

### 4. Customization:

1. **Extract Versions:** 2:1, 5:1 extracts; soluble instant powders.

## FAQs

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### Q: Eleuthero vs. Panax ginseng?

A: Eleuthero is **non-stimulating**, ideal for **chronic stress support** (Panax may overstimulate sensitive users).

### Q: Daily dosage for efficacy?

A: **300-1200mg daily** (human trials show effects within 28 days).

### Q: MOQ and packaging?

A: **Sample size: 100g**; Bulk MOQ: **25kg**. Packaging: **Food-grade foil bags** (1kg/5kg) with oxygen scavengers.

### Q: Shelf life/stability?

A: **24 months** when stored <25°C in airtight containers; retains >95% potency at 12 months.

## Packing

