

Organic Sunflower Seed Kernels



What is Organic Sunflower Seed Kernels?

Organic Sunflower Seed Kernels deliver a uniquely well-rounded nutritional profile in a clean, allergen-friendly format. Each 100g provides approximately **20-22% protein**, **50%+ healthy fats** (predominantly linoleic acid), and outstanding levels of **vitamin E** (tocopherols), **selenium**, and **magnesium** — making them one of the most cost-effective plant-based superfoods for food manufacturers targeting antioxidant support, heart health, and clean-label formulation.

Unlike tree nuts, sunflower seed kernels carry no tree nut allergen classification, making them the preferred ingredient for nut-free snack bars, allergen-free trail mixes, and school-safe food products. Their mild, pleasant flavor and light grey-green appearance integrate seamlessly across applications — from raw snacking and roasted toppers to granola, baked goods, and cold-pressed oil production.

HEMPLAND sources from certified organic cultivation, applies rigorous cleaning and hulling processes, and supplies with full documentation (COA, organic certificate, MSDS) to meet the compliance standards of food manufacturers, retailers, and supplement brands worldwide.

Technical Specifications

| Parameter | Specification |
|-----------------------|--|
| Product Name | Organic Sunflower Seed Kernels (Hulled) |
| Organic Certification | USDA Organic, EU Organic |
| Appearance | Light grey-green kernels |
| Aroma / Flavor | Fresh, mild, naturally nutty |
| Moisture | ≤ 8.0% |
| Purity | ≥ 99.0% |
| Imperfect Kernels | ≤ 2% |
| Broken Kernels | ≤ 5% (customizable) |
| Foreign Matter | ≤ 0.1% |
| Impurities | ≤ 0.5% |
| Aflatoxin B1 | < 2.0 µg/kg |
| Total Plate Count | ≤ 10,000 CFU/g |
| Yeast & Mold | ≤ 100 CFU/g |
| E. coli | Negative |
| Salmonella | Negative |
| Heavy Metals | Compliant with food safety regulations |
| Allergens | Tree nut-free, gluten-free, soy-free, dairy-free |
| Non-GMO | Yes |
| Shelf Life | 12-24 months |

| Parameter | Specification |
|-----------|--|
| Packaging | 25kg bags / cartons / bulk options |
| Storage | Cool, dry, well-ventilated; away from sunlight and odors |

Key Benefits

- **Outstanding Vitamin E Source** — One of the richest plant sources of alpha-tocopherol; supports antioxidant protection, skin health, and immune function — highly valued in functional food and supplement applications
- **Clinically Relevant Selenium & Magnesium** — Selenium supports thyroid function and oxidative defense; magnesium contributes to muscle, nerve, and cardiovascular health
- **Nut-Free Allergen Profile** — Not classified as a tree nut; safe for nut-free certified facilities and ideal for school, airline, and institutional food programs
- **Clean Label Ready** — Organic, non-GMO, vegan, gluten-free, no additives or preservatives; zero processing aids — fully transparent ingredient declaration
- **High Oil Yield for Pressing** — ~50% oil content with a favorable linoleic acid profile; excellent raw material for cold-pressed sunflower oil production
- **Versatile Processing Compatibility** — Supplied raw (unroasted, unsalted) for downstream roasting, flavoring, grinding, pressing, or direct formulation use

Application Areas

Snack & Topping

- Raw or roasted sunflower seed snacks
- Salad toppers and grain bowl garnishes
- Trail mix and dried fruit blends (nut-free certified)
- Yogurt and smoothie bowl toppings

Baking & Confectionery

- Multigrain breads, rolls, and crackers
- Nut-free energy bars and protein bites
- Granola clusters and breakfast cereals
- Cookies, muffins, and seed-enriched pastries

Food Manufacturing

- Nut-free snack bar and trail mix production (school-safe / airline-safe)
- Plant-based meat and burger patties (texture and nutrition enrichment)
- Dairy-free spreads and seed butters
- Ready-to-eat meal toppers and salad kits

Oil Pressing

- Cold-pressed organic sunflower oil production
- High-oleic sunflower oil for culinary and cosmetic applications
- Specialty oil blends for gourmet and health food brands

Supplement & Nutrition

- Vitamin E-enriched supplement formulations
- Antioxidant and cardiovascular support products
- Plant-based protein and micronutrient blending
- Selenium-containing health products

Certifications & Documentation

| Document | Availability |
|-------------------------------|--------------|
| USDA Organic Certificate | Available |
| EU Organic Certificate | Available |
| Certificate of Analysis (COA) | Per batch |
| Specification Sheet | Available |
| MSDS | Available |
| Halal Certificate | On request |
| Kosher Certificate | On request |

OEM & B2B Services

HEMPLAND provides comprehensive B2B and OEM support for sunflower seed kernels:

- **Custom Sorting & Sizing** — specify broken kernel tolerance, size range, and color uniformity
- **Custom Packaging** — retail bags (100g-5kg), bulk bags (25kg), private label, branded pouches
- **Processing Options** — raw, roasted (plain or seasoned), split/sliced, ground to flour or butter
- **Long-Term Supply Contracts** — stable pricing, scheduled shipments, buffer stock management
- **Export Documentation** — phytosanitary certificate, commercial invoice, packing list, certificate of origin

FAQs

Q1: Are organic sunflower seed kernels truly nut-free?

Yes. Sunflower seeds are classified as seeds, not tree nuts, and are not listed among the major tree nut allergens (almonds, cashews, walnuts, etc.). The product itself contains no nut ingredients. For allergen-controlled facility claims, cross-contamination prevention depends on the buyer's own facility protocols. HEMPLAND maintains strict allergen segregation on our production lines. We recommend verifying with your regulatory advisor for specific labeling claims.

Q2: What are the main nutritional highlights?

Organic sunflower seed kernels are particularly rich in: **Vitamin E** (~35mg/100g, ~230% DRI) — one of the top plant sources; **Selenium** (~53µg/100g, ~96% DRI) — thyroid and antioxidant support; **Magnesium** (~325mg/100g, ~77% DRI); and **Linoleic acid** (omega-6, ~50% of fat content). Protein is approximately 20-22%, with a favorable amino acid profile including methionine — complementing legume proteins well.

Q3: What is the difference between raw and roasted? Can we roast them ourselves?

HEMPLAND supplies kernels in raw, unroasted, unsalted form — optimized for maximum shelf life and downstream processing flexibility. Buyers can roast, season, or further process as needed. We also offer custom roasting and flavoring services under OEM arrangements for brands requiring ready-to-use formats.

Q4: Can they be used for cold-pressed oil production?

Yes. With approximately 50%+ oil content and a high linoleic acid profile, organic sunflower seed kernels are an excellent raw material for cold-pressed oil production. The resulting oil is light in color with a mild, pleasant flavor suited for culinary and nutraceutical applications.

Q5: What shelf life and storage conditions apply?

Shelf life is 12–24 months from production date under proper storage: cool (below 20°C), dry, well-ventilated environment, away from direct sunlight and strong odors, in original sealed packaging. Once opened, refrigeration or freezing is recommended to extend freshness due to the high unsaturated fat content.

Q6: Are there customization options for broken kernel percentage?

Yes. The standard specification allows $\leq 5\%$ broken kernels. For buyers requiring lower breakage rates (e.g., premium retail or topping applications) or higher breakage tolerance (e.g., oil pressing or grinding), we can customize sorting parameters. Please specify your requirements when requesting a quote.

Q7: What certifications and documentation are available?

We supply USDA Organic and EU Organic certificates, batch COA, specification sheets, and MSDS as standard. Halal and Kosher certifications are available on request. Full export documentation (phytosanitary, certificate of origin, commercial invoice) is provided for all international shipments.

Q8: What is the minimum order quantity (MOQ)?

MOQ is typically 500kg. Trial samples (1–2kg) are available for qualified buyers to evaluate quality before placing bulk orders. Mixed-SKU pallet orders are accommodated. Contact sales@hemp-land.com for pricing and availability.

Packing



For more information, please visit our website:

<https://www.hemp-land.com/products/organic-sunflower-seed-kernels/>