

OAT OIL

ECOCERT NATURAL REGISTRATION

> Product # 906-3003



Nourish, smooth, and protect—naturally.

Derived from the oat kernel (*Avena sativa*), Oat Oil is a premium, naturally lipid-rich ingredient known for its ability to replenish, condition, and support overall comfort. Its unique profile—featuring essential fatty acids, skin-compatible polar lipids, phytoceramides, and natural vitamin E—delivers soft, cushioning emollience and helps maintain moisture across a wide range of applications.

Enhanced by modern processing, this versatile oil supports the skin's natural barrier, provides antioxidant protection against everyday environmental stressors, and imparts a smooth, silky sensory feel. Its balanced blend of unsaturated fatty acids and polar lipids makes it suitable for products designed to comfort dryness, reinforce suppleness, and support overall resilience. In hair care, Oat Oil's ceramide-containing lipid fraction helps smooth the cuticle, improve manageability, and maintain shine. Its gentle, multi-functional nature makes it an ideal choice for daily use across face, body, scalp, and hair formulations—and for any product aiming to deliver elevated nourishment, softness, and protective care.

PRODUCT COMPOSITION

INGREDIENT	CAS	EINECS
Avena sativa (Oat) Kernel Oil	84012-26-0	281-672-4

PHYSICAL PROPERTIES

- Clear golden liquid
- Pleasant natural oatmeal odour

PRODUCT SUITABILITY

- Skin & Body Care
- Make-up & Cosmetics
- Scalp & Hair Care
- After Sun Care
- Soaps
- Pet Care

ACTIVITY & BENEFITS

- Replenishes skin lipids for lasting comfort
- Delivers antioxidant defense from natural vitamin E
- Helps skin feel calmer under environmental stress
- Elegant sensorials with non-greasy slip
- Pairs to strengthen barrier narratives
- Hair cuticle smoothing & shine
- Strengthens hair's lipid matrix
- Clean, plant-origin antioxidant extras
- Formulation-friendly & versatile
- Sensitive-skin suitable when well formulated



TECHNICAL SPECIFICATIONS

Colour:	Clear Golden Liquid
Odour:	Natural oat
Peroxide value:	≤ 15 mEq/kg Fat
Iodine value:	86 – 123 g/100 g
Acid Value:	≤ 10 mg KOH/g
Saponification Value:	≤ 185 – 195 mg KOH/g
Brookfield Viscosity at 25°C:	≤ 100 cP
Density:	0.85 – 0.95 g/cm ³
Refractive Index at 20°C:	1.3 – 1.6
Free Fatty Acids:	≤ 14 g/100 g
Unsaponifiable Matter:	≤ 3 g/100 g
Total Tocopherols:	≥ 100 mg/kg
Turbidity:	≤ 100 NTU
Moisture (Karl Fischer):	≤ 0.3 % (w/w)

FATTY ACIDS

14:0 myristic:	0.1 – 0.5 %
16:0 palmitic:	14 – 16 %
18:0 stearic:	1 – 2 %
18:1 (n-7) cis-vaccenic:	0.2 – 0.6 %
18:2 linoleic:	35 – 43 %
18:3 α-linolenic:	1 – 1.5 %
20:0 eicosanoic:	0.05 – 0.15 %
20:1 eicosenoic:	0.5 – 1 %

MICROBIAL PROPERTIES

Total Aerobic Microbial Count:	<100 cfu/ml
Total Yeast and Mould Count:	<100 cfu/ml

RECOMMENDED USAGE

- Recommended usage: as required
- Formulating pH range: 4 to 8
- Formulating temperature range: 25°C to 75°C

HANDLING PROCEDURES

- Store in a cool and dry place, avoid light and heat
- Oat Oil is designated as non-hazardous material
- Keep containers closed when not in use

SOLUBILITY

- Suitable for all oil-based product forms

PACK SIZES AVAILABLE

- 20 kg

SHELF LIFE

- Shelf life in unopened containers is two years



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