

附件14 / Annex 14 – 原料安全相关信息 / Raw Material Safety Related Information
OAT OIL – CURRENT DRAFT FOR REGULATORY REVIEW (22 September 2026)

Section / 项目	Field / 字段	Component / 组分	Chinese name / 中文名称	INCI / Indicator	CAS No.	Current information / 当前信息
Basic information	Trade Name / 原料商品名					Oat Oil
Basic information	Raw material composition / 原料组成	1	燕麦 (AVENA SATIVA) 仁油	Avena Sativa (Oat) Kernel Oil	84012-26-0	100% (target value 100%); Function: Active ingredient
Basic information	Recommended maximum level in cosmetics / 化妆品中建议最高添加量					100%
Basic information	Raw material use restrictions / 原料使用限制					No specific cosmetic-use restriction identified in current source pack.
Basic information	Raw material properties / 原料性状					Avoid oxidising agents for handling/storage. Clear yellow/brown oily liquid; characteristic/natural oat odour. Wax precipitation may occur on prolonged or low-temperature storage.
Basic information	Physical & chemical properties / 物理化学性质					Density approx. 0.85–0.95 g/cm³; refractive index approx. 1.396–1.545 at 20°C; viscosity NMT 100 cP at 25°C; insoluble in water; flash point >180°C.
Basic information	Production process type / 生产工艺类型					Solvent extraction using ethanol, followed by separation/de-solventisation, filtration/polishing and filling. Residual ethanol controlled at NMT 500 ppm.
Quality control	Appearance			Appearance		Clear yellow/brown liquid
Quality control	Odour			Odour		Natural oat
Quality control	Peroxide Value			Peroxide Value		NMT 15.0 mEq/kg fat
Quality control	Iodine Value			Iodine Value		Approx. 86.0–123.0 g/100g
Quality control	Viscosity			Brookfield viscosity at 25°C		NMT 100.0 cP
Quality control	Density			Density		Approx. 0.85–0.95 g/cm³
Quality control	Refractive Index			Refractive Index at 20°C		Approx. 1.396–1.545
Quality control	Free Fatty Acids			FFA (% oleic)		NMT 14.0 g/100g
Quality control	Unsaponifiable Matter			Unsaponifiable Matter		NMT 3.0 g/100g
Quality control	Tocopherols & Tocotrienols			Total Tocotrienol & Tocopherol		NLT 100.0 ppm
Quality control	Turbidity			Turbidity		NMT 100.0 NTU
Quality control	Moisture			Moisture (Karl Fischer)		NMT 0.3% w/w
Quality control	Acid Value			Acid Value		NMT 10.0 mg KOH/g
Quality control	Saponification Value			Saponification Value		Approx. 185.0–195.0 mg KOH/g
Quality control	Residual solvent			Residual Ethanol		NMT 500.0 ppm
Microbiological	Total Aerobic Microbial Count			TAMC		NMT 10 cfu/ml
Microbiological	Total Combined Yeast & Mould			TYMC		NMT 10 cfu/ml
Microbiological	Escherichia coli			E. coli		Absent in 1 ml
Microbiological	Enterobacteriaceae			Enterobacteriaceae		Absent in 1 ml
Microbiological	Pseudomonas aeruginosa			P. aeruginosa		Absent in 1 ml
Microbiological	Salmonella spp.			Salmonella spp.		Absent in 25 ml
Microbiological	Staphylococcus aureus			S. aureus		Absent in 1 ml
Microbiological	Burkholderia cepacia			B. cepacia		Absent in 1 ml
Microbiological	Candida albicans			C. albicans		Absent in 1 ml
Microbiological	Bile-tolerant Gram-negative bacteria			Bile-tolerant Gram-negative bacteria		Absent in 1 ml
Risk substances	Antimony			Sb		NMT 1.000 mg/kg
Risk substances	Arsenic			As		NMT 1.000 mg/kg
Risk substances	Cadmium			Cd		NMT 1.000 mg/kg
Risk substances	Chromium			Cr		NMT 1.000 mg/kg
Risk substances	Copper			Cu		NMT 1.000 mg/kg
Risk substances	Cobalt			Co		NMT 1.000 mg/kg
Risk substances	Lead			Pb		NMT 1.000 mg/kg
Risk substances	Mercury			Hg		NMT 1.000 mg/kg
Risk substances	Nickel			Ni		NMT 1.000 mg/kg
Risk substances	Pesticide residues / 农药残留风险					None detected in latest annual QC dataset reviewed.
Risk substances	PAHs					Benzo(a)pyrene NMT 1.0 µg/kg; sum B(a)P/B(a)A/B(b)F/chrysene NMT 10.0 µg/kg.
Risk substances	Dioxins / PCBs					Controlled under current supplier QC programme; supporting limits/results available in Trans104 QC record.
Other information	Shelf life / stability					24 months unopened in original sealed container under recommended storage conditions.
Other information	Storage					Controlled room temperature; original closed container; protect from sunlight; avoid prolonged air/oxygen exposure; supplier SDS states 20–25°C and keep >5°C.
Other information	CSAR ingredient submission code					No submission code assigned to this Oat Oil specification. Annex 14 is provided as raw-material safety information for this specification.
Other information	International authoritative assessment					Existing oat kernel oil safety evidence may support the dossier; confirm applicability to this exact specification before final signature.
Other information	Other industry use requirements					No specific additional requirement identified in the reviewed current product documents.
Other information	Manufacturer / supplier information					Oat Services Ltd, 2 Venture Road, Southampton Science Park, Chilworth, Southampton, Hampshire SO16 7NP, UK.