



# JOHN KELLYS (LONDON) LTD

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- Essential Oils • Aromatic Chemicals • Oleoresins • Fragrances • Flavors • Functional ingredients

## TECHNICAL DATA SHEET

**PRODUCT:** Eucalyptus Citriodora Oil Chinese

**JK LOT NUMBER:** 38107

**DATE OF MANUFACTURE:** May 20, 2025

**DATE OF EXPIRY:** May 19, 2027

### 1. Product Identification

- **Product Name:** Eucalyptus Citriodora Oil
- **Botanical Name:** *Corymbia citriodora* (syn. *Eucalyptus citriodora*)
- **INCI Name:** Eucalyptus Citriodora (Eucalyptus) Leaf/Twig Oil
  - **CAS Number:** 8000-48-4 / 85203-56-1
  - **FEMA Number:** 2466
  - **Extraction Method:** Steam Distillation
  - **Origin:** China
- **Shelf Life:** 2 years (sealed, cool/dark storage)

### 2. Physical & Chemical Properties

Item	Specification
Appearance	Colorless to pale yellow clear liquid
Odor	Fresh, lemony, herbaceous, slight camphoraceous
Specific Gravity (20°C)	0.860–0.880
Refractive Index (20°C)	1.450–1.460
Optical Rotation (20°C)	-1° to +3°
Flash Point	57°C (approx.)
Solubility	1 vol. oil ≤4 vol. 70% ethanol; insoluble in water, soluble in organic solvents
Moisture Content	≤0.5%

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### 3. Chemical Composition

- **Citronellal:** 75–85%
- **Citronellol:** 5–10%
- **Isopulegol:** 2–5%
- **Eucalyptol (1,8-cineole):** <5%
- **α-Pinene, Limonene:** 1–3%

### 4. Quality Grade

- **100% Pure & Natural,** Therapeutic Grade
- **Compliance:** ISO 3044:2020, IFRA, FDA GRAS

### 5. Applications

- **Fragrance:** Soaps, detergents, cosmetics, perfumery
- **Aromatherapy:** Refreshing, calming, respiratory support
- **Insect Repellent:** Natural mosquito/insect repellent (high citronellal)
- **Pharmaceutical:** Antiseptic, anti-inflammatory, oral care products
  - **Flavor:** Food additives (beverages, confectionery)

### 6. Storage & Handling

- **Storage:** Sealed, cool ( $\leq 25^{\circ}\text{C}$ ), dry, dark place; avoid direct sunlight/heat
  - **Packaging:** Aluminum bottles, GI drums (1kg/5kg/25kg/180kg)
- **Handling:** Ventilation; avoid skin/eye contact; wear gloves/goggles

### 7. Safety Information

- **GHS Classification:** Skin Irritation 2, Eye Irritation 2, Skin Sensitization 1, Aquatic Chronic 2
- **Risk Phrases:** H315 (skin irritation), H317 (allergy), H319 (eye irritation), H411 (toxic to aquatic life)
  - **Precaution:** Keep out of reach of children; do not ingest