



JOHN KELLYS (LONDON) LTD

Unit 18 Blackbird Industrial Estate, Blackbird Road, Leicester, Leicestershire, LE4 0ET, UK.

✉ trading@johnkellys.com ☎ (+44) 0203 930 0833 🌐 www.johnkellys.com

● Essential Oils ● Aromatic Chemicals ● Oleoresins ● Fragrances ● Flavors ● Functional ingredients

TECHNICAL DATA SHEET

PRODUCT: Ginger Oil Chinese

JK LOT NUMBER: 38191

DATE OF MANUFACTURE: October 13, 2025

DATE OF EXPIRY: October 12, 2027

1. Product Identification

- **Product Name:** Ginger Oil
- **Botanical Name:** *Zingiber officinale*
- **INCI Name:** Zingiber Officinale Root Oil
 - **CAS No.:** 8002-60-6
 - **FEMA No.:** 2522
- **Extraction Method:** Steam Distillation of dried ginger rhizome
 - **Origin:** China, India, Indonesia
- **Grade:** Food Grade / Fragrance Grade / Cosmetic Grade

2. Physical & Chemical Specifications

Item	Standard Specification
Appearance	Pale yellow to amber clear oily liquid
Odor	Characteristic warm, spicy, woody ginger aroma
Specific Gravity (20°C)	0.870 – 0.890
Refractive Index (20°C)	1.480 – 1.495
Optical Rotation (20°C)	-25° ~ -15°
Flash Point	>90 °C
Solubility	Insoluble in water; soluble in ethanol, propylene glycol, vegetable oils & organic solvents

3. Main Chemical Composition (Typical)

- Zingiberene: 25–35%
- β-Sesquiphellandrene: 10–18%
- Ar-curcumene: 6–12%
- Gingerol, Shogaol (trace spicy components)
 - α-Pinene, Camphene, Linalool

4. Quality Compliance

- FDA GRAS
- FEMA Approved
- IFRA Compliant
- Food additive safe standard

5. Applications

- **Food Flavoring:** Beverages, confectionery, bakery, seasoning, instant food
 - **Fragrance:** Soap, detergent, candle, perfume, daily fragrance
- **Aromatherapy & Cosmetics:** Body care, massage oil, warm essential oil
- **Healthcare:** Digestive support, warming ingredient, herbal raw material

6. Storage & Shelf Life

- **Storage:** Sealed, cool dry place, keep away from direct sunlight and high temperature
 - **Shelf Life:** 24 months in unopened original packaging

7. Handling & Safety

- Avoid direct eye and prolonged skin contact
- Operate in well-ventilated environment
 - Not for direct oral intake undiluted
 - Keep out of reach of children