

## TECHNICAL DATA SHEET: CRUDE RAPESEED OIL

### 1. CHEMICAL & PHYSICAL SPECIFICATIONS

- Free Fatty Acids (FFA): Max 2.0% (as Oleic)
- Moisture, Volatiles & Impurities: Max 0.50%
- Flash Point: Min 121°C (250°F)
- Erucic Acid: Max 2.0% (Low Erucic / Canola type)
- Phosphorus: Max 300 ppm
- Saponification Value: 182 – 193 mg KOH/g
- Iodine Value (Wijs): 105 – 126 g I<sub>2</sub>/100g
- Refractive Index (40°C): 1.465 – 1.467
- Relative Density (20°C): 0.914 – 0.920
- Unsaponifiable Matter: Max 1.5%

### 2. TYPICAL FATTY ACID PROFILE (%)

- C16:0 Palmitic: 2.5 – 7.0
- C18:0 Stearic: 0.8 – 3.0
- C18:1 Oleic: 51.0 – 70.0
- C18:2 Linoleic: 15.0 – 30.0
- C18:3 Linolenic: 5.0 – 14.0

### 3. SAFETY, CONTAMINANTS & LOGISTICS

- Mineral Oil: Max 50 mg/kg (Compliant with FOSFA/EU)
- Heavy Metals: Pb < 0.1 mg/kg | As < 0.1 mg/kg
- Pesticides / GMO: Compliant with EU MRLs | Non-GMO options available
- Chlorophyll: Max 30 ppm
- Previous Cargo: Must comply with FOSFA Accepted List
- Shelf Life / Storage: 12 Months | Bulk in cool, dry conditions

### 4. COMPLIANCE DECLARATION

This product is a crude vegetable oil, fit for refining for human consumption or technical use (Biodiesel/Feedstock). Quality meets FOSFA standards. Analysis to be verified by FOSFA-approved inspectors.