

TECHNICAL DATA SHEET : CRUDE SUNFLOWER SEED OIL

1. CHEMICAL & PHYSICAL SPECIFICATIONS

- Free Fatty Acids (FFA): Max 3.0% (as Oleic)
- Moisture & Impurities (M&I): Max 0.50%
- Flash Point: Min 121°C (250°F)
- Sediment: Max 0.25%
- Phosphorus: Max 250 ppm
- Saponification Value: 188 – 194 mg KOH/g
- Iodine Value (Wijs): 110 – 143 g I₂/100g
- Relative Density (20°C): 0.918 – 0.923
- Refractive Index (40°C): 1.461 – 1.468
- Unsaponifiable Matter: Max 1.5%

2. FATTY ACID COMPOSITION (%)

- C16:0 Palmitic: 5.0 – 7.6
- C18:0 Stearic: 2.7 – 6.5
- C18:1 Oleic: 14.0 – 40.0
- C18:2 Linoleic: 48.0 – 74.0

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
- Radioactivity: < 600 Bq/kg
- Previous Cargoes: As per FOSFA Accepted List
- Shelf Life / Storage: 12 Months | Bulk in cool, dry conditions

4. COMPLIANCE DECLARATION

The product is fit for refining for human consumption. Quality meets FOSFA standards for crude seed oils.