

TECHNICAL DATA SHEET: PALM OLEIN (RBD)

Standard: FOSFA International / PORAM | Grade: Standard/Super | Date: 01/2026

1. CHEMICAL & PHYSICAL SPECIFICATIONS

- Free Fatty Acids (FFA): Max 0.1% (as Palmitic)
- Moisture & Impurities (M&I): Max 0.1%
- Iodine Value (Wijs): Min 56.0 g I₂/100g (Super Olein: Min 60.0)
- Cloud Point: Max 10.0°C (Super Olein: Max 8.0°C)
- Color (Lovibond 5.25"): Max 3.0 Red / 30 Yellow
- Saponification Value: 190 – 205 mg KOH/g
- Slip Melting Point: Max 24°C
- Refractive Index (40°C): 1.458 – 1.460
- Unsaponifiable Matter: Max 1.2%

2. TYPICAL FATTY ACID PROFILE (%)

- C14:0 Myristic: 0.5 – 1.5
- C16:0 Palmitic: 38.0 – 43.0
- C18:0 Stearic: 3.5 – 5.0
- C18:1 Oleic: 40.0 – 45.0
- C18:2 Linoleic: 10.0 – 13.0

3. SAFETY, CONTAMINANTS & LOGISTICS

- Appearance: Clear and bright liquid at room temperature.
- Mineral Oil: Max 50 mg/kg (Compliant with FOSFA/EU).
- Heavy Metals: Pb < 0.1 mg/kg | As < 0.1 mg/kg.
- 3-MCPD / Glycidyl Esters: Compliant with EU Regulation 2023/915.
- Previous Cargoes: Must comply with FOSFA/NIOP Accepted List.
- Storage: Maintain at 25-30°C to prevent crystallization.
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4. COMPLIANCE DECLARATION Product is obtained from the fractionation of refined palm oil. Quality meets FOSFA/PORAM standards. Suitable for human consumption (cooking oil/food industry)