RBD Palm Olein

Technical specification profile

Refined, bleached and deodorised palm olein is the liquid fraction of palm oil. Specify this grade separately from whole refined palm oil.

Procurement acceptance criteria for this named oil grade. Final analytical methods, composition, agreed limits and lot-specific COA govern the order. Fortification or additive allowances apply only when expressly agreed.

01 / PHYSICAL PROPERTIES

Parameter	Acceptance profile
Colour · Lovibond 5¼ inch cell	Red ≤ 3; yellow ≤ 30
Foreign odours & flavours	Nil
Melting point	≤ 24°C
Refractive index · 40°C	1.458-1.460
Relative density · oil 40°C / water 20°C	0.889-0.920

02 / CHEMICAL PROPERTIES

Parameter	Acceptance profile
Moisture & volatile matter	≤ 0.2%
Insoluble impurities	≤ 0.05%
Soap content	≤ 0.005%
Free fatty acids · as palmitic acid	0.1 max; unit to be confirmed
Acid value	≤ 0.6 mg KOH/g oil; unit wording to confirm
Peroxide value	≤ 2 meq peroxide oxygen/kg
Saponification value	194-202 mg KOH/g oil
Unsaponifiable matter	≤ 1.3%
Iodine number · Wijs	≥ 56 g/100 g oil
Other oil types	Nil

03 / IDENTITY CRITERIA

Parameter	Acceptance profile
Palmitic acid	38-43.5% of total fatty acids
Oleic acid	39.8-46% of total fatty acids
Cholesterol	≤ 4% of total sterols; not a nutrition value

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04 / ADDITIONAL CONDITIONS

Parameter	Acceptance profile
Antioxidant allowance	BHT (E321) ≤ 75 mg/kg only if agreed for the product and destination
Vitamin A enrichment option	45,000-60,000 IU/L; only when ordered
Heavy metals	Pb ≤ 0.1; As ≤ 0.1; Fe ≤ 1.5; Cu ≤ 0.1; Hg ≤ 0.1 ppm
PAH limits	Heavy PAH ≤ 5 ppb; total PAH ≤ 25 ppb; benzo(a)pyrene ≤ 2 ppb
Radionuclide contamination	None; declaration required
Production	Fresh production

Any entry marked for confirmation must be resolved in the signed specification. Listed fatty acid and sterol criteria are identity parameters; they are not a retail nutritional declaration.

Product identity & shelf life

Identity: RBD palm olein. Origin: as agreed in quotation. At least 2 years remaining at delivery for this profile.

Packing, labelling & shipment file

PACKING SCOPE

Item	Requirement
Bottle formats	1 L, 3 L or 5 L as ordered; food-grade PET or metal
Closure	Hermetic and tamper-evident; no piercing-only tin
1 L bottle mass	Empty plastic bottle at least 28.5 g
1 L cartons	12 or 15 bottles; cardboard dividers; double-wall export board
3 L / 5 L cartons	Layout, dimensions and load quantities to be agreed
Loading	Floor-loaded; flat cartons; board inserts and void filling
Packaging tests	Specified 6 m pressure/stacking tests; not a container stack-height instruction

For full bottle, carton, marking and loading requirements, use the separate Oleo Bueno Packing & Logistics guide. Container quantities, gross weights, freight, MOQ and lead time are quotation-specific.

Nutrition & composition

Request a complete product-specific declaration on a stated 100 g or 100 ml basis. No generic nutrient table is substituted. Any fortification or additives must be explicitly ordered and supported by analysis.

Shipment documentation

Inspection certificate; Certificate of origin; Health or phytosanitary certificate where applicable; Weight and quality certificate; Non-radioactivity declaration/certificate if required; GMO status certificate or declaration; Other documents agreed in the purchase contract.

Documents depend on the actual product, purchase agreement and destination. Listed requirements do not certify that documents have already been issued.