

TECHNICAL DATA SHEET: UCO

1. CHEMICAL & PHYSICAL SPECIFICATIONS

Free Fatty Acids (FFA): Max 5.0% (as Oleic)

Moisture & Impurities (M&I): Max 1.0% - 2.0%

Iodine Value (Wijs): 75–120 g $I_2/100g$

Saponification Value: 185–195 mg KOH/g

Insoluble Impurities: Max 0.02%

Sulphur Content: Max 50 ppm

Calorific Value: ~9,000–9,500 kcal/kg

Appearance: Dark brown to amber liquid; may contain slight sediment

2. SAFETY, CONTAMINANTS & LOGISTICS

Collection Source: 100% vegetable origin from food industry and catering services

Flash Point: Min $121^{\circ}C$ ($250^{\circ}F$)

Storage: Bulk in carbon steel or stainless steel tanks; filtered to remove large food particles

Contaminants: Polyethylene (PE) Max 50 ppm; Total Phosphorus Max 50 ppm

Transport: Flexitanks or ISO tanks; must comply with FOSFA/EU regulations for non-food technical grade transport

3. COMPLIANCE DECLARATION

The product is a recycled vegetable oil fit for technical use, specifically as a feedstock for Biodiesel (HVO/UCOME) production.

Compliant with RED II (Renewable Energy Directive) requirements for sustainability and traceability.

Quality meets international standards for UCO export and waste management regulations.

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