

# TECHNICAL DATA SHEET

**Product:** Sesame Seed Oil, Refined

**INCI:** Sesamum Indicum Seed Oil

## Physical & Chemical Specifications

Parameter	Specification
Appearance	Oily liquid
Colour	Clear – Light Yellow
Odour	Odourless
Acid Value (mg KOH/g)	≤ 1.0
Free Fatty Acid (% as oleic)	≤ 0.5
Saponification Value (mg KOH/g)	177 – 197
Peroxide Value (meq O <sub>2</sub> /kg)	≤ 10.0
Iodine Value (g I <sub>2</sub> /100 g)	103 – 116
Specific Gravity @ 20 °C	0.916 – 0.921
Refractive Index @ 20 °C	1.472 – 1.476
Unsaponifiable Matter (%)	≤ 1.5

## Fatty Acid Profile (Typical)

Fatty Acid	% Range
Palmitic (C16:0)	7.9 – 12.0
Stearic (C18:0)	3.9 – 6.7
Oleic (C18:1)	35.9 – 43.7
Linoleic (C18:2)	38.6 – 47.9