# Sunflower Seed Oil – Quality Snapshot

Lab Test Report Summary | Easy to Understand

Sample: Sunflower Seed Oil • Report: EQNX:001:FT:26:03:06255 • Tested by Equinox Labs

## ALL TESTS PASSED

This oil meets every FSSAI safety & purity standard. Safe to use.

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## What the tests checked (in simple words)

### Oil Thickness (Refractive Index) — PASS

**1.4662 (ideal range)**

Confirms correct thickness and clarity of sunflower oil.

### Fat Quality (Saponification Value) — PASS

**191.02 (range 188–194)**

Indicates the oil has the right type of fats expected in sunflower oil.

### Unsaturation Level (Iodine Value) — PASS

**114.33 (range 100–145)**

Healthy fat balance typical of good quality sunflower oil.

### Extra Impurities (Unsaponifiable Matter) — PASS

**0.22% (max 1.5%)**

Very low unwanted substances. Clean oil.

### Freshness (Acid Value) — PASS

**0.49 (max 6.0)**

Good freshness – low acid means better taste & shelf life.

### Harmful Oil Check (Argemone Oil) — PASS

**Negative (must be absent)**

No toxic argemone oil detected – a critical safety test.

### Butyro Refractometer Reading — PASS

**60.5 (range 57.1–65)**

Another measure of oil purity & identity – within normal range.

### Bellier's Turbidity Test — PASS

**15.0 °C**

Purity-related test; value recorded as typical for this oil type.

### Purity Check (Polenske Value) — PASS

**<0.5 (not specified)**

Supports the oil is not heavily adulterated with certain fats.

## Bottom Line for You

This batch of Sunflower Seed Oil is pure, fresh, and safe.
All 9 quality & safety checks cleared FSSAI limits with good margins.

Source: Equinox Labs Test Report EQNX:001:FT:26:03:06255 | Report Date: 28-Mar-2026

This visual is for easy understanding only. Full technical report remains the official document.