



## Shay and Company

Supplier of Wholesale Oils, Butters, Waxes, Candle Supplies and Essential Oils

**Sesame Oil, Refined**  
**Lot# 8510**

**Country of Origin: Mexico**  
**Manufacture Date: 01/2023**  
**Expiration Date: 01/2026**

**Ingredient Name (INCI):** Sesamum Indicum (Sesame Oil)

**Composition:** 100% Sesame Oil

**CAS no:** 8008-74-0

**Packaging:** Drums, Pails, HDPE Jugs, Amber Glass Bottles

**Description:** Light amber oil; characteristic of oil but no sesame odor

**Applications:** Skincare, Soap Manufacturing, Food

**Certificate/Grade:** non-GMO

**Method of Extraction:** Expeller Pressed

**Plant Part Used:** Seed

**Vegan:** Yes

**Gluten Free:** Yes

**Allergen:** This is considered a highly refined oil and is exempt as a major food allergy

**Food Grade:** Yes

| Properties                         | Result | Range/Limit                  | UOM            | Test Method    |
|------------------------------------|--------|------------------------------|----------------|----------------|
| Appearance at 20°C                 | Pass   | Bright and clear oily liquid |                | Visual         |
| Color                              | Pass   | Pale Yellow                  |                | Visual         |
| Color Gardner                      | 2.50   | Max 4                        |                | AOCS Td 1a-64  |
| Specific Gravity at 25°C           | 0.92   | 0.912 - 0.921                | g/ml           | AOCS Cc 10a-25 |
| Saponification Value               | 193.03 | 188 - 195                    | mg KOH/g       | USP 401        |
| Unsaponifiable Matter              | 0.45   | Max 1.5                      | %              | USP 401        |
| Free Fatty Acids                   | 0.06   | Max 2                        | mL 0.020N NaOH | USP 401        |
| Iodine Value                       | 112.27 | 103 - 116                    | g l/100g       | USP 401        |
| Peroxide Value                     | 1.88   | Max 10                       | mEq/kg         | AOCS cd 8-53   |
| Solidification Temp of Fatty Acids | Pass   | 20 - 25                      | °C             | USP 401        |
| Absence of Cottonseed Oil          | Pass   | Meets Requirements           |                | USP            |
| Water Determination, Method Ic     | 0.02   | Max 0.1                      | %              | USP 921        |
| Alkaline Impurities                | <0.1   | Max 0.1                      | mL 0.01N HCl   | USP            |

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|                                 |      |   |               |
|---------------------------------|------|---|---------------|
| Elemental Impurities            | Pass | Conforms to limits of USP 232                 | USP 233       |
| Residual Solvents               | Pass | No class 1,2,3 or any other residual solvents |               |
| Cold Test at 0°C, Min 5.5 hours | Pass | Clear   | AOCS Cc 11-53 |

| Triglyceride Profile | Pass  | Meets Requirements | UOM | USP |
|----------------------|-------|--------------------|-----|-----|
| LLL                  | 16.07 | 7.0 - 19.0         | %   | USP |
| OLL                  | 20.73 | 13.0 - 30.0        | %   | USP |
| PLL                  | 7.25  | 5.0 - 9.0          | %   | USP |
| OOL                  | 15.08 | 14.0 - 25.0        | %   | USP |
| POL                  | 8.28  | 8.0 - 16.0         | %   | USP |
| OOO                  | 12.73 | 5.0 - 14.0         | %   | USP |
| SOL                  | 3.64  | 2.0 - 8.0          | %   | USP |
| POO                  | 5.34  | 2.0 - 8.0          | %   | USP |

Shelf life is guaranteed for three years from time of manufacture when stored in original, unopened container between 59° F to 86°F and protected from light. Shay and Company diligently sources and provides the highest quality ingredients, but it is the customer's responsibility to ensure the products purchase from Shay and Company meets their expectations. Any additional testing will be the responsibility of the customer.

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