



EARTH LIKE ORGANICS LABORATORY
Division of EARTH LIKE ORGANICS, AHMEDABAD

Sample Details

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|---------------------------|---------------------|
| Sample Description | SESAME OIL |
| Sample Lot No | VSO112223 |
| Sample From | EARTH LIKE ORGANICS |
| Sample Date | 15.08.2023 |
| Quantity | 300 kg |
| Other Details | |

SESAME OIL Certificate of Analysis

| S. No | TESTS | Specification | Observed | COMPLIANCE STATUS |
|-------|------------------------------------|--|--|-------------------|
| 1 | Description | It shall be clear, free from rancidity, suspended or other foreign matter, separated water, added colouring or flavoring substance, or mineral oil | clear, free from rancidity, suspended or other foreign matter, separated water, added colouring or flavoring substance, or mineral oil | Complies |
| 2 | Aroma | Characteristic sesame nut Odour | Characteristic sesame nut Odour | Complies |
| 3 | Colour | Clear Yellow Color | Clear Yellow Color | Complies |
| 5 | Refractive Index (at 40°C) | 1.4646 – 1.4665 | 1.465 | Complies |
| 6 | Butyro Refractrometer @ 40°C | 58– 61 | 58.6 | Complies |
| 7 | Sap.Value | 188-193 | 191.45 | Complies |
| 8 | Iodine Value | 102 – 120 | 105.14 | Complies |
| 9 | Acid Value | Max. 6% | 2.43 | Complies |
| 10 | Peroxide Value | Max. 5 | 1.34 | Complies |
| 11 | Unsap. Matter % | Max. 2 | 0.51 | Complies |
| 13 | Moisture in % | Max 3 | 2 | Complies |
| 14 | Caproic Acid (C6:0) | Not Detected | Not Detected | Complies |
| 15 | Caprylic Acid (C8:0) | Not Detected | Not Detected | Complies |
| 16 | Capric Acid (C10:0) | Not Detected | Not Detected | Complies |
| 17 | Lauric Acid (C12:0) | Not Detected – 1.5 | Not Detected | Complies |
| 18 | Myristic Acid (C14:0) | Not Detected – 0.8 | 0.28 | Complies |
| 19 | Palmitic Acid (C16:0) | 7.9 – 14.6 | 13.01 | Complies |
| 20 | Palmitoleic Acid (C16:1) | Not Detected -0.2 | Not Detected | Complies |
| 21 | Heptadecanoic Acid (C17:0) | Not Detected-0.2 | Not Detected | Complies |
| 22 | Cis-10- Heptadecanoic Acid (C17:1) | Not Detected – 0.1 | Not Detected | Complies |
| 23 | Stearic Acid (C18:0) | 2.0 – 8.0 | 4.87 | Complies |
| 24 | Oleic Acid (C18:1n9c) | 34.4 – 48 | 45.10 | Complies |
| 25 | Linoleic Acid (C18:2n6c) | 28 – 47.9 | 36.25 | Complies |
| 26 | Linolenic Acid (C18:3n3) | Not Detected – 1.0 | 0.47 | Complies |



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|----|---------------------------------------|--------------------|--------------|----------|
| 27 | Arachidic Acid (C20:0) | 0.1 – 0.8 | 0.512 | Complies |
| 28 | Cis-11-Eicosenoic Acid (C20:1) | Not Detected – 0.5 | Not Detected | Complies |
| 29 | Cis-11,14-Eicosenoic Acid (C20:2) | Not Detected | Not Detected | Complies |
| 30 | Behenic Acid (C22:0) | Not Detected-1.1 | Not Detected | Complies |
| 31 | Erucic Acid (C22:1n9) | Not Detected | Not Detected | Complies |
| 32 | Cis-13, 16-Docosadienoic Acid (C22:2) | Not Detected | Not Detected | Complies |
| 33 | Lignoceric Acid (C24:0) | Not Detected-0.5 | 0.31 | Complies |
| 34 | Nervonic Acid (C24:1) | Not Detected | Not Detected | Complies |
| 35 | Mineral Oil | Negative | Negative | Complies |
| 36 | Castor Oil | Negative | Negative | Complies |
| 37 | Cotton seed Oil | Negative | Negative | Complies |
| 38 | Sesame Oil | Negative | Negative | Complies |
| 39 | Linseed Oil | Negative | Negative | Complies |
| 40 | Karanja Oil | Negative | Negative | Complies |
| 41 | Neem Oil | Negative | Negative | Complies |
| 42 | Argemone Oil | Negative | Negative | Complies |
| 43 | Rancidity | Negative | Negative | Complies |

Remarks:

Based on sample analysis results the product Complies / Not Complies as per Specification

Conclusion: The product is Released / Quarantined / Rejected

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|-------------------------|-----------------|--------------------|----------------------|
| Date of Analysis | 15.08.2023 | Analysed by | Authorised by |
| Reference | VSS112223/08/23 | Naveen | Ganesh |