



**EARTH LIKE ORGANICS LABORATORY**  
**Division of EARTH LIKE ORGANICS, AHMEDABAD**

**Sample Details**

|                           |                              |
|---------------------------|------------------------------|
| <b>Sample Description</b> | COCONUT FATTY ACID DISTILATE |
| <b>Sample Lot No</b>      | 2400076212                   |
| <b>Sample From</b>        | EARTH LIKE ORGANICS          |
| <b>Sample Date</b>        | 04.04.2023                   |
| <b>Quantity</b>           | 650 kg                       |
| <b>Other Details</b>      |                              |

**COCONUT FATTY ACID Certificate of Analysis**

| S. No | TESTS  | Test Method                    | Observed              | COMPLIANCE STATUS |
|-------|--|--------------------------------|-----------------------|-------------------|
| 1     | Colour                                       | Brownish color                 | Brownish Yellow Color | Complies          |
| 2     | Refractive Index (at 40°C)                   | FASSAI Manual<br>- Oils & Fats | 1.43856               | Complies          |
| 3     | Sap.Value                                    |                                | 262                   | Complies          |
| 4     | Iodine Value                                 |                                | 7.2                   | Complies          |
| 5     | Acid Value                                   |                                | 203 mgKOH/g           | Complies          |
| 6     | Free fatty acid (as Lauric acid), %by weight |                                | 72.2                  | Complies          |
| 7     | Moisture in %                                |                                | 0.77                  | Complies          |
| 8     | Impurity                                     |                                | IS 548                | <0.1%             |
| 9     | Total Fatty Matter                           | IS 286                         | 99.2%                 | Complies          |
| 10    | Caproic Acid (C6:0)                          | AOAC 996.01                    | 0.53%                 | Complies          |
| 11    | Caprylic Acid (C8:0)                         |                                | 8.26%                 | Complies          |
| 12    | Capric Acid (C10:0)                          |                                | 6.17%                 | Complies          |
| 13    | Lauric Acid (C12:0)                          |                                | 48.12%                | Complies          |
| 14    | Myristic Acid (C14:0)                        |                                | 20.40%                | Complies          |
| 15    | Palmitic Acid (C16:0)                        |                                | 8.37%                 | Complies          |
| 16    | Stearic Acid (C18:0)                         |                                | 2.13%                 | Complies          |
| 17    | Oleic Acid (C18:1n9c)                        |                                | 4.10%                 | Complies          |
| 18    | Linoleic Acid (C18:2n6c)                     |                                | 0.97%                 | Complies          |

**Remarks:**

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

Conclusion: The product is Released / Quarantined / Rejected

|                         |               |                    |                      |
|-------------------------|---------------|--------------------|----------------------|
| <b>Date of Analysis</b> | 04.04.2023    | <b>Analysed by</b> | <b>Authorised by</b> |
| <b>Reference</b>        | CML/23-24/249 | <b>Naveen</b>      | <b>Ganesh</b>        |