

ISO 22000

BUREAU VERITAS  
Certification



## PRODUCT SPECIFICATION

**PRODUCT NAME: Organic Coconut Oil Refined Bleached Deodorized**

Last revision: 09.11.2024

### 1. PRODUCT DETAILS

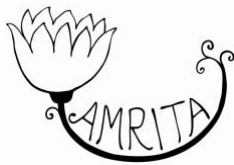
|              |                                                                                                                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product      | Organic Coconut Oil Refined Bleached Deodorized                                                                                                                                                                                                                              |
| Ingredient   | Coconut Oil ( <i>Cocos nucifera</i> oil)                                                                                                                                                                                                                                     |
| Preservative | Not added                                                                                                                                                                                                                                                                    |
| Origin       | Sri Lanka                                                                                                                                                                                                                                                                    |
| Intended Use | RBD Organic Coconut oil is used for cooking, eating, dressings, frying and baking, direct consumption.                                                                                                                                                                       |
| Packing      | Glass jar - 200 ml, 450 ml, 500 ml, 900 ml, 1000 ml; Plastic packaging - 10 l, 20 l; IBC tote with heating pad 1000 l – about 920 kg.                                                                                                                                        |
| Storage      | Store in a cool, dry and odor free area, out of direct sunlight, ambient temperature and away from walls. Avoid storage in high moisture areas. Thawing must be done only once. If the oil is reheated, the probability of caramelizing white to yellow sediments increases. |
| Shelf life   | 24 months from date of manufacture.                                                                                                                                                                                                                                          |
| Certificates | Kosher, Organic, ISO 22000:2018.                                                                                                                                                                                                                                             |

### 2. ORGANOLEPTIC PARAMETERS

| Parameter            | Limits/Specification                                                                                                                                                                                            |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color and Appearance | Light yellowish color liquid at room temperature -liquid above 25 °C<br><br><2 (25 mm cell on the Lovibond color scale expressed in Y+5R not deeper than)<br><br>White color at solid form (at less than 25 °C) |
| Aroma                | Free of coconut aroma                                                                                                                                                                                           |
| Weight per 1000 ml   | 913 g                                                                                                                                                                                                           |

### 3. CHEMICAL, PHYSICAL & MICROBIOLOGICAL PARAMETERS

Chemical and Physical Parameters



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| Parameter                            | Limits/Specification                        |
|--------------------------------------|---------------------------------------------|
| Free Fatty Acid (as Lauric Acid)     | 0.1% Max                                    |
| Iodine Value                         | 7.5-11.0 g I <sub>2</sub> /100g             |
| Color<br>(Lovibond)Red/Yellow        | 2.0 R max / 10.0 Y max.                     |
| Melting point                        | 24 – 26 °C                                  |
| Moisture                             | 0.1 max.                                    |
| Rel. density (X °C / water at 20 °C) | 0.913 - 0.920 g/cm <sup>3</sup><br>X = 30°C |
| Insoluble impurities percent by mass | 0,05%                                       |
| Saponification value                 | Min 255                                     |
| Benzo[a] pyrene, µg/kg               | <0,2                                        |

## Heavy metal

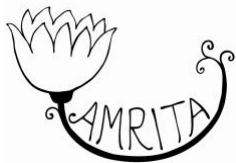
| Parameter    | Limits/Specification |
|--------------|----------------------|
| Arsenic (As) | 0.1 ppm Max          |
| Lead (Pb)    | 0.5 ppm Max          |
| Mercury (Hg) | 0.1 ppm Max          |
| Cadmium (Cd) | 0.5 ppm Max          |

## Microbiological Parameters

| Parameter                   | Limits/Specification |
|-----------------------------|----------------------|
| Aerobic Plate Count (CFU/g) | <1000                |
| Total coliform (MPN/g)      | <3                   |
| E. coli (MPN/g)             | <3                   |
| Yeast & Mold (CFU/g)        | <100                 |
| Salmonella (in 2 X 375 g)   | Absent               |

## Mycotoxins

| Parameter | Limits/Specification |
|-----------|----------------------|
|-----------|----------------------|



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Aflatoxin (B1 + B2 + G1 + G2)

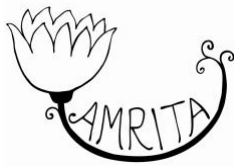
<4.00 µg/kg

### 4. NUTRITION PROFILE

| Typical Values    |                  |
|-------------------|------------------|
|                   | Per 100 g        |
| Energy            | 858 kcal/3586 kJ |
| Total Fat         | 100 g            |
| Saturated fat     | 85.7 g           |
| Trans Fatty Acids | < 1.00 g         |
| Cholesterol       | 0 g              |
| Dietary Fibers    | 0 g              |
| Carbohydrate      | 0 g              |
| Sugars            | 0 g              |
| Protein           | 0 g              |
| Sodium            | 0 g              |

### 5. FATTY ACID PROFILE

| Typical Value (per 100 g) |                    |       |             |
|---------------------------|--------------------|-------|-------------|
| Medium Chain FA           | Caproic Acid       | C6    | 0-0.7       |
|                           | Caprylic Acid      | C8    | 4.6 – 10.0  |
|                           | Capric Acid        | C10   | 5.0 – 8.0   |
|                           | Lauric Acid        | C12   | 40 – 50     |
| Long Chain FA             | Myristic Acid      | C14   | 16.8 – 21.0 |
|                           | Palmitic Acid      | C16   | 7.5 – 15    |
|                           | Stearic Acid       | C18:0 | 2.0 – 4.0   |
|                           | Oleic Acid         | C18:1 | 5.0 – 10.2  |
|                           | Linoleic Acid      | C18:2 | 1.0 – 2.5   |
|                           | Linolenic Acid     | C18:3 | 0 – 0.2     |
|                           | Arachidic acid     | C20:0 | 0 – 0.2     |
|                           | Eicosadienoic acid | C20:1 | 0 – 0.2     |



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Note:

Chemical criteria: Heavy metals and Mycotoxins does not exceed the norms of the EU regulation 2023/915 and amendments to this regulation. Pesticides does not exceed the norms of the EU regulation Nr. 396/2005. Ionizing radiation does not exceed the requirements of the Directive 1999/2/EC. GMO does not exceed the requirements of the EU regulation 1829/2003.

**Allergens** Without allergens and traces of allergens.

Usage: Suitable for anyone except babies.

| Allergens: When purchased in bulk size original packaging, manufacturer allergen policy will apply.<br>When purchased in quantities that need re-packaging, our allergen policy will apply. |              |                             |                 |                                                                                  |                             |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------|-----------------|----------------------------------------------------------------------------------|-----------------------------|-----------------|
| Component                                                                                                                                                                                   | Manufacturer |                             |                 | Nuts in Bulk<br>(Applies when bought in small quantities that need re-packaging) |                             |                 |
|                                                                                                                                                                                             | In Product   | Processed in Same Equipment | Handled on Site | In Product                                                                       | Processed in Same Equipment | Handled on Site |
| Cereals containing GLUTEN and products thereof                                                                                                                                              | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| EGGS or its derivatives                                                                                                                                                                     | NO           | NO                          | NO              | NO                                                                               | NO                          | NO              |
| FISH or its derivatives                                                                                                                                                                     | NO           | NO                          | NO              | NO                                                                               | NO                          | NO              |
| CRUSTACEANS / SHELLFISH                                                                                                                                                                     | NO           | NO                          | NO              | NO                                                                               | NO                          | NO              |
| MOLLUSCS                                                                                                                                                                                    | NO           | NO                          | NO              | NO                                                                               | NO                          | NO              |
| PEANUTS or derivatives                                                                                                                                                                      | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| SOYA BEANS or derivatives                                                                                                                                                                   | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| MILK (LACTOSE) or its derivatives                                                                                                                                                           | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| NUTS, tree nuts:                                                                                                                                                                            | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| CELERY, including celeriac and its derivatives                                                                                                                                              | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| MUSTARD, referring to all parts of the plant and derivatives thereof                                                                                                                        | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| SESAME SEEDS or derivatives                                                                                                                                                                 | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| SULPHITES >10ppm – Sulphite quantity to be given in ppm                                                                                                                                     | NO           | NO                          | NO              | NO                                                                               | YES                         | YES             |
| LUPIN seeds or derivatives                                                                                                                                                                  | NO           | NO                          | NO              | NO                                                                               | NO                          | NO              |

Quality Manager  
Dr. Natalija Liškauskienė