

## TECHNICAL DATA SHEET

Effective date: 11.2024

### Tamanu Oil

#### INFORMATION ON SUBSTANCE / MIXTURE

|                       |  |
|-----------------------|--|
| INCI                  | Calophyllum inophyllum seed oil  |
| Botanical name        | Calophyllum inophyllum L.  |
| Manufacturing process | Tamanu Oil is extracted by cold pressure from the seeds of the Polynesian Tamanu tree. The oil is 100% pure virgin Tamanu nut oil. |
| Description           | Tamanu Oil is thick in viscosity but is fluid at room temperature. It may solidify or separate at cold temperatures.               |
| ISO 16128             | Natural Index 1  |

#### TECHNICAL DATA

##### Physical parameters

|                          |  |
|--------------------------|--|
| Appearance               | Liquid to semi-solid, slightly viscous |
| Color                    | Green to brown                         |
| Odor                     | Characteristic, aromatic               |
| Relative density at 20°C | [0.935 ; 0.950] g /cm <sup>3</sup>     |
| Refractive index at 20°C | [1.475 ; 1.495]                        |
| Acid value               | 27 - 78                                |
| Iodine value             | 80 - 98                                |
| Saponification value     | 190 - 200                              |

##### Chemical parameters

| Fatty acid composition   | %           |
|--------------------------|-------------|
| Palmitic acid (C 16:0)   | 10,0 - 18,0 |
| Stearic acid (C 18:0)    | 10,0 - 18,0 |
| Oleic acid (C 18:1)      | 30,0 - 48,0 |
| Linoleic acid (C 18:2)   | 23,0 - 38,0 |
| Arachidic acid (C 20:0)  | 0,5 - 2,0   |
| Eicosenoic acid (C 20:1) | Max 0,5     |
| Behenic acid (C 22:0)    | Max 0,8     |

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#### Biological parameters

|                               |               |
|-------------------------------|---------------|
| Total aerobic microbial count | < 1000 cfu/ g |
| Total yeast and mould count   | < 100 cfu/g   |
| Escherichia coli              | Absent/1g     |
| Pseudomonas aeruginosa        | Absent/1g     |
| Staphylococcus aureus         | Absent/1g     |
| Candida albicans              | Absent/1g     |

#### TRANSPORT, STORAGE and SHELF LIFE

|                    |  |
|--------------------|--|
| Storage conditions | Store in closed packaging, away from light, at a steady and moderate temperature. Shake well before use. |
| Shelf Life         | 36 months, in closed packaging and the recommended conditions.   |

#### LEGISLATION

|                                  |  |
|----------------------------------|--|
| Regulatory Status                | Product complies with Regulation (EU) No. 1223/2009 in all the defined requirements.   |
| CMR status                       | This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008. |
| Nanomaterials                    | This product is not considered as a nanomaterial, and doesn't contain nanoparticles as defined by the European commission and as described in EU n°1223/2009 and 2012-232 (ANSES).           |
| Animal testing                   | Product has not been the subject of animal testing for cosmetic purposes according to EC Regulation 1223/2009  |
| BSE and TSE                      | Produced in the absence of any animal derived material of any type. No contamination with BSE/ TSE risk materials is to be expected.   |
| Allergens                        | Product does not contain any of the allergenic substances or compounds listed in Regulation (EC) No. 1223/2009 Annex III amended by EU Regulation 1545/2023                                  |
| GMO                              | This product is totally GMO free.  |
| Volatile Organic Compounds (VOC) | Does not contain any ingredient that, according to the information provided by our suppliers, falls under the definition of Volatile Organic Compound (VOC) as described                     |

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|                                  |  |
|----------------------------------|--|
|                                  | in Directive 2004/42/CE  |
| Gluten- Status                   | Does not contain gluten  |
| Information for Vegan Assessment | Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified. |
| EINECS                           | 273-313-5  |
| CAS                              | 68956-68-3 / 223748-12-7   |

#### DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.