

TECHNICAL DATA SHEET

Product Name	TAMANU (FORAHA) OIL
Botanical Name	Calophyllum inophyllum
Product Code	PCO4022
CAS #	241148-25-4 ; 223748-12-7
INCI Name	Calophyllum inophyllum Seed Oil

Part Used	Nuts
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Olive green colored slightly viscous liquid
Odour	Characteristic nutty, green odour
Refractive Index	1.460 - 1.495 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.960 @ 20°C
Saponification Value (mgKOH/g)	185 - 235
Peroxide Value (meq O₂/kg)	Less than 10.0
Iodine Value (g I₂/100g)	80 - 120
Free Fatty Acids (% oleic)	Less than 40.0
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	10.00 – 18.50
Stearic Acid	C18:0	11.00 – 20.00
Oleic Acid	C18:1 (n-9)	36.00 – 53.00
Linoleic Acid	C18:2 (n-6)	20.00 – 38.00
Alpha-Linolenic Acid	C18:3 (n-3)	Maximum 1.0

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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