

CERTIFICATE OF ANALYSIS

Product Name	TAMANU SEED OIL
INCI Name	Calophyllum inophyllum (Tamanu) Oil
CAS Number	68956-68-3
Lot Number	LOT0022854
Manufacture Date	03/2026
Re-test Date	03/2028
Quality	100% Pure and Natural
Manufacturing Method	Sundried Seeds and Cold Pressed

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Oily liquid in room temp/ Solid in cold temps	CONFORMS
Odour	Characteristic	CONFORMS
Color	Green - Dark Green - Black	CONFORMS
Specific Gravity @20°C	0.905 - 0.940	0.930
Refractive Index @20°C (NR)	1.455 – 1.490	1.482
Acid Value (mgKOH/g)	<76.00	51
Peroxide Value (meq O2/kg)	<25.00	10
Iodine Value (g I₂/100g)	75.00 – 98.00	97
Saponification Value	190 - 205	195

FATTY ACID COMPOSITION:

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)	RESULTS (%)
Palmitic Acid	C16:0	10.00 – 20.00	14.50
Stearic Acid	C18:0	10.00 – 20.00	16.80
Oleic Acid	C18:1	20.00 – 45.00	40.50
Linoleic Acid	C18:2	25.00 – 40.00	26.70

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MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS	RESULTS
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

HEAVY METAL TESTS	SPECIFICATIONS	STANDARDS	RESULTS
Lead: Pb (mg/kg or ppm)	< 10 ppm	n/a	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	n/a	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	n/a	CONFORMS

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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