

CERTIFICATE OF ANALYSIS

Product Name	TAMANU SEED OIL
INCI Name	Calophyllum inophyllum (Tamanu) Oil
CAS Number	68956-68-3
Lot Number	LOT0020655
Manufacture Date	01/2025
Re-test Date	01/2027
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	0.916
Refractive Index @20°C (NR)	1.455 – 1.490	1.483
Acid Value (mgKOH/g)	<76.00	31.1
Peroxide Value (meq O2/kg)	<25.00	10.1
Iodine Value (g I₂/100g)	75.00 – 98.00	86.0
Saponification Value	190 - 205	197.0

FATTY ACID COMPOSITION:

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)	RESULTS (%)
Palmitic Acid	C16:0	10.00 – 20.00	15.20
Stearic Acid	C18:0	10.00 – 20.00	16.50
Oleic Acid	C18:1	20.00 – 45.00	40.30
Linoleic Acid	C18:2	25.00 – 40.00	28.50

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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.