



CERTIFICATE OF ANALYSIS N°: AGV10

Green Tamanu Vegetable Oil (organic)

Art. No. DO-CALO-50 | DO-CALO-100

Sample designation : Tamanu Vegetable Oil
 Botanical name : Calophyllum inophyllum L.
 Lot number : AGV10
 Geographic origin : Vietnam
 Type of culture : Organic
 Part of the plant used : Seeds
 Best before date : 12-2025



Sensory Check

feature	reference	result
Appearance:	Viscous Oily liquid	meets
Colour:	Green	meets
Odour:	Oily, nutty note	meets

Analytical Check

feature	method	Result
Refractive index 20°C	MO-042	1.47951
Acid index	MO-003	36.4 mg KOH/g 18.3% oleic acid
Peroxide index	MO-009	1.0 mmol O ₂ /kg 2.0 meq O ₂ /kg Test sample: 4.9954 g
Lodine number	MO-060	91 g/100g
Saponification index	MO-006	190 mg KOH/g
Absorbance at 270 nm	MO-161	26.475
Relative density <i>d</i> ₂₀ :		0.9371

Chromatographic analysis by GC / FID after transesterification.

TR	Compounds	% Fid	% Fid without free fatty acid
6.08	Myristic Acid	0.027	0.027
6.46	Pentadecanoic acid	0.006	0.006
6.91	Palmitic acid	14.626	14.682
6.97	Hexadecenoic Acid *	0.023	0.023
7.01	Palmitoleic acid (omega 9)	0.129	0.131
7.41	Heptadecanoic acid	0.115	0.115
7.52	Cis-10-Heptadecenoic acid	0.040	0.040
7.78	Heptadecenoic Acid *	0.012	0.012
8.11	Stearic acid	16.818	16.883
8.22	Oleic acid (omega 9)	37.116	37.258
8.25	Octadecenoic Acid *	0.995	0.998
8.52	Linoleic acid (omega 6)	27.755	27.861
8.83	Alpha-Linolenic Acid (omega 3)	0.224	0.233
8.98	Free Palmitic Acid	0.141	-

Chromatographic analysis by GC / FID after transesterification (2).

TR	Compounds	% Fid	% Fid without free fatty acid
9.69	Arachidic Acid	0.831	0.834
9.86	Cis-11-Eicosenoic acid (omega 9)	0.113	0.113
10.88	Free Stearic Acid	0.103	-
11.10	Free oleic acid	0.137	-
11.56	Behenic acid	0.292	0.293
13.94	Lignoceric Acid	0.078	0.078
14.20	Nervonic Acid(omega 9)	0.276	0.277
Total		100.000	100.000

* Unidentified isomer

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