



CERTIFICATE OF ANALYSIS N°: 63230

Jojoba vegetable oil (organic)



Art. No. DOSIMM-100 | DOSIMM-250

Sample designation : Jojoba Vegetable Oil
 Botanical name : Simmondsia chinensis
 Lot number : 202306352
 Geographic origin : Peru
 Type of culture : Organic
 Part of the plant used : Seeds
 Expiration date : 10-2024

Sensory Check

feature	reference	result
Appearance:	Oily liquid	meets
Colour:	Yellow	meets
Odour:	Slightly spicy	meets

Analytical Check

feature	method	Result
Refractive index 20°C	MO-042	1.46615
Acid index	MO-003	0.2 mg KOH/g <0.1% oleic acid
Peroxide index	MO-009	0.3 mmol O ₂ /kg 0.6 meq O ₂ /kg Test sample: 5.017 g
Lodine number	MO-060	83 g/100g
Saponification index	MO-006	94 mg KOH/g
Absorbance at 270 nm	MO-161	0.173

Chromatographic analysis by GC / FID after transesterification.

TR	Compounds	% Fid	% Fid without free fatty acid
6.09	Myristic Acid	0.013	0.026
6.92	Palmitic acid	0,532	1.049
6.99	Palmitoleic acid (omega 9)	0.084	0.166
7.55	Cis-10-Heptadecenoic acid	0.022	0.043
8.07	Stearic acid	0.036	0,071
8.21	Oleic acid (omega 9)	4.755	9.373
8.24	Octadecenoic Acid *	0.410	0.808
8.46	Linoleic acid (omega 6)	0.173	0.341
8.65	Gamma-Linolenic Acid (omega 6)	0.340	0.670
8.84	Alpha-Linolenic Acid (omega 3)	0.089	0.175
8.98	Free Palmitic Acid	0.129	0.254
9.83	Arachidic Acid	0.037	0.073
10.03	Cis-11-Eicosenoic acid (omega 9)	33.436	65.909

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

TR	Compounds	% Fid	% Fid without free fatty acid
10.56	Fatty alcohol	22.222	-
11.15	Free oleic acid	0.548	1.080
11.53	Behenic acid	1.102	2.271
11.87	Erucic acid	6.740	13.286
12.29	Cis-13,16-Docosadienoic acid (omega 6)	0,479	0.944
12.59	Fatty alcohol	22.352	-
14.00	Lignoceric Acid	0.106	0.209
14.35	Nervonic Acid (omega 9)	0.772	1.522
15.47	Fatty alcohol	3.795	-
Total		98.172	98.172

* Unidentified isomer

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