



CERTIFICATE OF ANALYSIS N°: 630490

Apricot vegetable oil (organic)



Art. No. DOPRUN-100 | DOPRUN-250

Sample designation : Apricot Vegetable Oil
 Botanical name : Prunus armeniaca L.
 Lot number : E214132
 Geographic origin : Turkey
 Type of culture : Organic
 Part of the plant used : Kernels
 Expiration date : 05-2023

Sensory Check

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

Analytical Check

feature	method	Result
Refractive index 20°C	MO-042	1.47118
Acid index	MO-003	0.8 mg KOH/g 0.4% oleic acid
Peroxide index	MO-009	0.2 mmol O ₂ /kg 0.4 meq O ₂ /kg Test sample: 4.9941 g
Lodine number	MO-060	103 g/100g
Saponification index	MO-006	192 mg KOH/g
Absorbance at 270 nm	MO-161	0.175

Chromatographic analysis by GC / FID after transesterification.

TR	Compounds	% Fid	% Fid without free fatty acid
6.10	Myristic Acid	0.017	0.017
6.93	Palmitic acid	5.084	5.106
6.99	Hexadecenoic Acid *	0.020	0.020
7.03	Palmitoleic acid (omega 9)	0.596	0.599
7.08	Hexadecenoic Acid *	0.013	0.013
7.43	Heptadecanoic acid	0.036	0.036
7.55	Cis-10-Heptadecenoic acid	0.109	0.109
8.14	Stearic acid	1.190	1.195
8.29	Oleic acid (omega 9)	66.529	66.815
8.30	Octadecenoic Acid *	1.987	1.996
8.53	Linoleic acid (omega 6)	23.717	23.819
8.86	Alpha-Linolenic Acid (omega 3)	0.056	0.055
9.00	Free Palmitic Acid	0.019	-

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

TR	Compounds	% Fid	% Fid without free fatty acid
9.72	Arachidic Acid	0.094	0.094
9.89	Cis-11-Eicosenoic acid (omega 9)	0.082	0.082
11.11	Free oleic acid	0.306	-
11.50	Free Linoleic Acid	0.066	-
12.66	Tricosanoic acid	0.044	0.044
Total		100.001	100.001

* Unidentified isomer

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