



CERTIFICATE OF ANALYSIS N°: AHV7

## Deodorized Sesame Vegetable Oil (organic)



Art. No. DOSESDEA-100 | DOSESDEA-250 | DOSESDEA-500 | DOSESDEA-1000

Sample designation : Sesame Vegetable Oil  
 Botanical name : Sesamum indicum L.  
 Lot number : AHV7  
 Geographic origin : Mexico  
 Type of culture : Organic  
 Part of the plant used : Seeds  
 Best before date : 12-2026

### Sensory Check

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

### Analytical Check

feature	method	Result
Refractive index 20°C	MO-042	1.47267
Acid index	MO-003	0.2 mg KOH/g <0.1% oleic acid
Peroxide index	MO-009	0.4 mmol O <sub>2</sub> /kg 0.8 meq O <sub>2</sub> /kg Test sample: 5.0049 g
Lodine number	MO-060	109 g/100g
Saponification index	MO-006	191 mg KOH/g
Absorbance at 270 nm	MO-161	0.327

### Chromatographic analysis by GC / FID after transesterification.

TR	Compounds	% Fid	% Fid without free fatty acid
6.09	Myristic Acid	0.014	0.015
6.92	Palmitic acid	9.274	9.659
6.98	Hexadecenoic Acid *	0.026	0.027
7.02	Palmitoleic acid (omega 9)	0.422	0.440
7.42	Heptadecanoic acid	0.050	0.052
7.54	Cis-10-Heptadecenoic acid	0.030	0.031
7.72	Heptadecenoic Acid *	0.027	0.027
8.12	Stearic acid	5.208	5.424
8.25	Oleic acid (omega 9)	39.127	40.751
8.27	Octadecenoic Acid *	1.815	1.890
8.52	Linoleic acid (omega 6)	38.416	40.010
8.84	Alpha-Linolenic Acid (omega 3)	0.224	0.233
8.98	Free Palmitic Acid	0.042	-
9.70	Arachidic Acid	0.554	0.557

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

TR	Compounds	% Fid	% Fid without free fatty acid
9,87	Cis-11-Eicosenoic acid (omega 9)	0.166	0.173
10.89	Free Stearic Acid	0.631	-
11.11	Free oleic acid	1.162	-
11.49	Free Linoleic Acid	1.843	-
11.57	Behenic acid	0.281	0.293
11.98	Erucic acid	0.117	0.122
13.94	Lignoceric Acid	0.086	0.090
Total		99.785	99.785

\* Unidentified isomer

Document version: Document version: AHV7 dated 02/04/2024