

Product: Cold Pressed and Filtered Sesame Oil
Composition: 100% Sesame Seed
Batch: 079/25
Manufacturing: 05/04/2025
Validity: 05/04/2027
Departure date:

TEST REPORT NO: CE 079/25

Sensory Characteristics

Appearance: liquid Color: light yellow, Odor and Flavor: characteristic

Physical and Chemical Results	Result
Acidity Index, mg KOH/g (1.0-4.0)	1.12
Peroxide index, meq/kg (20 -12)	3.63
Saponification index, mg KOH/g (120-200).....	178
Iodine index, CgI/gr (80-250).....	89.8
Refractive index 40°(1.4600-1.4800).....	1.4596
Moisture, g/100g (N/A).....	0.01
Relative density, g/ml (20°C): 810-960.....	0.925
Saturated fatty acids, g/100 g.....	15.06
Monounsaturated fatty acids, g/100 g.....	40.4
Polyunsaturated fatty acids, g/100 g.....	44.0
Trans fatty acids, g/100 g.....	not detected

Result in fatty acids:

Reference result

C 16:0 palmitic	(2.0-10.5).....	9.07
C 16:1 omega 7 palmitoleic.....		0.10
C 18:0 stearic	(1.0-6.0).....	5.00
C 18:1 omega 9 oleic.....	(12.0-24.0).....	39.01
C 18:2 omega 6 linoleic.....	(11.0-23.0).....	43.70
C 18:3 Linolenic.....	(50.0-65.0).....	1.39
C 20:0 arachidic.....		0.68
C 20:1 omega 9 cis-11-eicosenoic.....		0.23
C 22:0 Behenic		0.22

METHOD(S) USED

Acid index - MA-CQ.114 based on AOCS (2017), Official Method Ca 5a-40.
Iodine index - MA-CQ.119 based on AOCS (2017), Official Method Cd 1d-92.
Peroxide index - MA-CQ.168 based on AOCS (2017), Official Method Cd 8b-90.
Refractive index - MA-CQ.120 based on AOCS (2017), Official Method Cc 7-25.
Saponification index - MA-CQ.121 based on AOCS (2017), Official Method Cd 3-25.

Safety – Microbiological Analysis (Manufacturer Guarantees, Castro vegetable oils)

Thermotolerant coliforms: < 1x10³ UFC/g (According to item 16 C – Resolution No. 12, of 01/02/2001) Total mesophile count: <1x10³ CFU/g

Molds and yeasts: <1x10² CFU/g

Safety – Heavy metals

Arsenic: < 0.10 mg/kg Lead: < 0.10 mg/Kg (According to Resolution No. 42, of 08/29/2013)

Safety Macroscopic and microscopic foreign matter

Foreign matters: Max. 1.5% acid-insoluble sand or ash. Dead mites: Maximum of 5, (According to Resolution No. 14, of 03/28/2014)

Packaging: The oils are contained in an approved virgin plastic drum.

Additional Notes: Cold Pressed and Filtered Oil 35°

Gluten: does not contain (according to RCD 259)

GMO: Product free from Genetically Modified Organisms

MOAH and MOSH mineral oil hydrocarbons (MOH): max. 2.0mg/kg

Pesticide Residue: < 0.10 mg/Kg

Additional Notes: Cold pressed and filtered oil

Output control