

Product: Cold Pressed and Filtered Flaxseed Oil
Composition: 100% Flaxseed
Batch: 025/25
Manufacturing: 11/04/2025
Validity: 11/04/2027
Departure date:

TEST REPORT NO: CST0025/25

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)	0.68
Peroxide index, meq/kg (2.0 -12)	2.67
Saponification index, mg KOH/g (120-200).....	176
Iodine index, Cgl/gr (80-250).....	177
Refractive index 40°(1.4600-1.4800).....	1.474
Moisture, g/100g (N/A).....	0.02
Relative density, g/ml (20°C): 810-960.....	0.925
Saturated fatty acids, g/100 g.....	9.4
Monounsaturated fatty acids, g/100 g.....	28.0
Polyunsaturated fatty acids, g/100 g.....	62.9
Trans fatty acids, g/100 g.....	not detected

Result in fatty acids: Reference result

C 16:0 palmitic.....(2.0-7.5).....	5.04
C 16:1 omega 7 palmitoleic.....	0.1
C 18:0 stearic(1.0-6.0).....	3.8
C 18:1 omega 9 oleic.....(12.0-24.0).....	25.8
C 18:2 omega 6 linoleic.....(11.0-23.0).....	16.8
C 18:3 Linolenic.....(50.0-65.0).....	48
C 20:0 arachidic.....	0.2
C 20:1 omega 9 cis-11-eicosenoic.....	2.1
C 22:0 behenic	0.2

Nutritional Information

Quantity per 100 grams	
Calories:.....	884
Total Fats:.....	100g
Saturated Fats:.....	9g
Trans Fats:.....	0.1g
Cholesterol:.....	0mg
Sodium:.....	0mg
Carbohydrates:.....	0mg
Dietary Fiber:.....	0mg
Sugar:.....	0g

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 3/28/2014)

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

Gluten: does not contain (according to RCD 259)

GMO: Product free from Genetically Modified Organisms

Allergens: Does not contain allergenic traces .

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

Additional Notes: Cold pressed and filtered oil

Output control