

MUELOLIVA Y MINERVA S.L

Analysis certificate

CUSTOMER: SUN GROVE FOODS, INC

DATE: 02/2024

ANALYSIS: 24250/00005

PRODUCT: EXTRA VIRGIN OLIVE OIL

MEXP14809

BATCH: L-25002E05

FDA REGISTRATION PO.05114

Free Acidity % Ac. Oleic 0.25
I. Peroxide value (meq O₂/Kg) 5.2

Spectrophotometry:

K₂₇₀ 0.10
K₂₃₂ 1.80
ΔK 0.000

Fatty Acid Profile

Myristic Acid 0.01
Palmitic Acid 13.68
Palmitoleic Acid 1.33
Heptadecanoic Acid 0.14
9 Heptadecanoic Acid 0.23
Stearic Acid 2.44
Oleic Acid 69.26
Linoleic Acid 11.08
Linolenic Acid 0.91
Arachidic Acid 0.41
Gadoleic Acid 0.29
Behenic Acid 0.12
Erucic Acid N/D
Lignoceric Acid 0.08

Isomeres Trans:

Trans oleic < 0.03
Trans linoleic+linolenic < 0.03

2-glyceril monopalmitate 0.6%

Benzo(a)pyrene < 1 ppb

Σ Benzo(a)pyrene, benzo(a)anthracene, Benzo(b)fluorene and chrysene < 10 ppb

Triglycerides HPLC

ΔECN42 (difference between real and theoretical): 0.00

Sterol composition HPLC-GCC %

Cholesterol 0.1
Brassicasterol N/D
Campesterol 3.4
Stigmasterol 0.9
β-sitosterol 94.6
Δ⁷- Stigmasterol 0.3
Erythrodiol+Uvaol 1.7
Total Sterol content ppm 1789

Waxes (42+44+46) 95 ppm
ΣFAEEs 6 ppm

Stigmastadiens (ppm) <0.02

Halogenated solvents:

Chloroform N/D
Trichloroethylene N/D
Tetrachloroethylene N/D

REPORT: Complying with the E.U. Standards N° 2022/2104 and following amendments.

MUELOLIVA Y MINERVA, S.L.
CIF.: B91397422
CTRA A339, KM. 24,5
14800 PRIEGO DE CORDOBA
CORDOBA - SPAIN