Laboratoire de Biotechnologie
Faculté des Sciences Dhar El Mehraz, B.P: 1796 Fès

ANALYSIS CERTIFICATE

Analysis type and demander

Analysis certificate asked by ATLAS OLIVE OILS - 110 Bd Yacoub Mansour - Casablanca - Morocco

Product

Olivie plus 30x glass bottle of 250 mL
Polyphenols Rich Organic extra virgin olive oil
Lot N°: C25311225G250 - P.: 12/25

Arrival date	**Analysis completion date**
March 3rd 2026	March 16th 2026

Analytical Results

1) Smell, flavor and taste: Clear oil, of a yellow to green color, fruity and mild taste, free from odors or tastes indicating alteration or pollution of oil.

Defect (Me): 0
Olive flavor and smell (Me): 3.6

PARAMETER		**RESULT**	**NORMS**
2) Transparency (20ºC, 24h):		Transparent	
3) Acidity (Free FattyAcid %):		0.52	GB23347-2009
4) Peroxide value(meq.O2/kg):		7.3	GB23347-2009
Residual solvent content in oil:		Non residue.	
5) Absorbency in ultra-violet :		K270 : 0.17, ΔK : 0.002	
7) Moisture and volatile matter (%):		0.011	
8) Insoluble impurity (%):		0.006	
9) Metal content	Fe: 1.6 mg/kg	Cu : 0.05 mg/kg	
10) Unsaponifiable matter:	4.3 g/kg		GB23347-2009
11) Lignoceric (C24:0):		0.1	GB23347-2009
12) Trans Oleic (C18:1T):		0.02%	GB23347-2009
TransLinoleic + Linolenic (C18:2T+ C18:3T) :		0.02%	GB23347-2009
13) Wax Content:		45 mg/kg	GB23347-2009
14) Lead:		0.01 mg/kg	GB2716-2005

15) Pesticide

Rogor	0.0 mg/kg (absent, no traces)	GB2763-2005
Diquat	0.00 mg/kg (absent, no traces)	GB2763-2005
Fenthion	0.0 mg/kg (absent, no traces)	GB2763-2005
Haloxyfop	0.0 mg/kg (absent, no traces)	GB2763-2005
Procymidone	0.0 mg/kg (absent, no traces)	GB2763-2005
Chlordane	0.0 mg/kg (absent, no traces)	GB2763-2005 /GB2763-2005 (REV-1)
Benzopyrene	0.0 μg/kg (absent, no traces)	GB2716-2005

18) FATTY ACID:

Palmitic (C16:0)	11.3
Pamitoleic (C16:1)	2.4
Heptadecanoic (C17:0)	0.18
Heptadecenoic (C17:1)	0.14
Stearic (C18:0)	1.7
Oleic (C18:1)	68.5
Linoleic (C18:2）	11.1
Linolenic (C18:3)	0.36
Arachidic (C20:0)	0.18
Gadoleic (C20:0)	0.14
Behenic (C20:1)	0.13
Lignoceric (C24:0)	0.10

19) STEROLS（% in total sterols）:

Total Sterols mg/kg	1123
Cholesterol	0.1
Brassicasterol	0.03
Campesterol	3.9
ERYTHRODIOL+UVAOL (% total sterols)	2.5%
Stigmasterol	0.3
Stigmastadienol mg/kg	0.04 mg/kg

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20) POLYPHENOLS

Total Polyphenols mg/kg	1253
Tyrosol mg/Kg	104.8
Hydroxytyrosol linked mg/Kg	226.7
Oleuropeine mg/Kg	25.9

21) VITAMINS

Vitamin E mg/Kg	399
Vitamin K mg/Kg	1

22) ADDITIONAL PARAMETERS

ARSENIC (As)	0.00 PPM (no traces)
CADMIUM (Cd)	0.00 PPM (no traces)
MERCURY (Hg)	0.00 PPM (no traces)
TIN (Sn)	1 PPM
SAPONIFICATION VALUE	76 /MG KOH/G
IODINE VALUE	0.00 WIJS (no traces)

Conclusion:

The values resulted meet the specifications demanded for extra virgin olive oils by EC Regulation No. 2568/91, Commission of 11/07/1991 in force from 09/09/1991 and subsequent amendments, and by International Olive Oil Council Trade Standard COI/T.15/NC no.3/Rev.4 November 2009.
We also confirm that no traces of pesticide residue and no traces of herbicide residue were detected in the extra virgin olive oil submitted by the producer.

Fès, March 16th 2026.



Laboratory Director

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