Laboratorio de Control para terceros registrado por la Consejería de Agricultura, Pesca, Agua y Desarrollo Rural con número AN-ROEC/24/036.
Laboratorio de control designado para análisis oficiales en el ámbito de la calidad diferenciada, registrado por la Consejería de Agricultura, Pesca, Agua y Desarrollo Rural con número de registro AN-ROEC/22/005.
C.I.F. B-23.355.902

ANALYTICAL REPORT

Sample code:	O26/3054/6725
Analytical Report No.:	O26/3054/6725
Sent by:	BIOFORMOSA LTD 1F., NO.51, LINYI ST., ZHONGZHENG DIST., 160062 TAIPEI CITY TAIWAN
Sample Content:	Extra Virgin Olive Oil
Packaging:	1 liter capacity glass bottle sealed with a seal (as shown in the photos).
Sample reception date:	2026/06/12
Analysis starting date:	2026/06/12
Analysis ending date:	2026/06/22

The following sample information was submitted and identified on behalf of the client as:

Sample described as:	OLEOLUX ACEITE DE OLIVA VIRGEN EXTRA
Batch/Lot number:	B099-2526
Expiry date:	31.12.2028
Manufacturer/Supplier:	BIONATURALL LABORATORIES, S.L.
Sample information:	The index of the analysis:

1. Humidity-Impurities. - 濕度　雜質
2. Quality analysis. - 品質分析
3. Wax and FAEE. - 蠟質 與 脂肪酸乙酯
4. Polyphenols. - 多酚
5. Stability. - 穩定性
6. Smoke point. - 發煙點
7. Purity analysis. - 豆固醇
8. Sterols Composition. - 固醇
9. Triterpenic Dialcohols. - 三萜類化合物
10. Fatty Acid Composition. - 脂肪酸組成比例
11. Polar Compounds. - 總極性化合物
12. Copper chlorophyll. - 銅葉綠素
13. Heavy Metals. - 重金屬
14. Polycyclic Aromatic Hydrocarbons. - 多環芳香族碳氫化合物
15. Solvent residue. - 溶劑殘留
16. Aflatoxins. - 黃麴毒素
17. Phthalates & Adipates. - 塑化劑
18. Pesticide Residues. - 農藥殘留

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O26/3054/6725

1. Humidity – Impurities - 濕度 雜質	Results	Unit	LOQ	Limit
Humidity and volatile matters	0.08	%	0.01	0.10
Petroleum ether insoluble impurities	0.02	%	0.01	0.10

2. Quality analysis - 品質分析	Results	Unit	LOQ	Limit
Acid value (expressed in % of Oleic Acid)	0.16	%	0.01	0.8
Acid value (expressed in mgKOH/g raw product)	0.31	mg/g	0.01	2.0
Peroxide value	3.7	meq/kg	0.2	20
K-270	0.11	-	0.01	0.22
K-232	1.51	-	0.01	2.50
Delta-K	0.001	-	0.001	0.01

3. Wax and FAEE - 蠟質 與 脂肪酸乙酯	Results	Unit	LOQ	Limit
Wax Content (C42 to C46)	27	mg/kg	10	150
Fatty acid ethyl esters FAEE	7	mg/kg	2	35

4. Polyphenols - 多酚	Results	Unit	LOQ	Limit
Totals Polyphenols	465	mg/kg	20	-

5. Stability - 穩定性	Results	Unit	LOQ	Limit
Stability at 100ºC (hours Rancimat)	98.7	hours	5	-

6. Smoke point - 發煙點	Results	Unit	LOQ	Limit
Smoke point	203.9	ºC	100	-

7. Purity analysis - 豆固醇	Results	Unit	LOQ	Limit
Estigmasta-3,5-dien	0.01	mg/kg	0.01	0.05
Diference theoretical ECN42 and HPLC	0.04	-	0.02	0.20

8. Sterols Composition - 固醇	Results	Unit	LOQ	Limit
Total sterols	1424	mg/kg	500	≥1000

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8. Sterols Composition - 固醇	Results	Unit	LOQ	Limit
Cholesterol	0.1	%	0.1	0.5
Brassicasterol	Not Detected	%	0.1	0.1
Campesterol	3.2	%	0.5	4.0
Stigmasterol	0.6	%	0.1	4.0
B-Sitosterol apparent	94.8	%	10.0	≥93.0
D7-Stigmastenol	0.3	%	0.1	0.5

9. Triterpenic Dialcohols - 三萜類化合物	Results	Unit	LOQ	Limit
Erythrodiol + Uvaol	1.2	%	0.5	3.5

10. Fatty Acid Composition - 脂肪酸組成比例	Results	Unit	LOQ	Limit
Sum saturated fatty acids (SFA)	16.17		0.05	-
C4:0 (Butyric acid)	Not Detected	g/100 g	0.01	-
C6:0 (Hexanoic acid)	Not Detected	g/100 g	0.01	-
C8:0 (Octanoic acid)	Not Detected	g/100 g	0.01	-
C10:0 (Capric acid)	Not Detected	g/100 g	0.01	-
C12:0 (Lauric acid)	Not Detected	g/100 g	0.01	-
C14:0 (Myristic acid)	Not Detected	g/100 g	0.01	0.03
C15:0 (Pentadecanoic acid)	Not Detected	g/100 g	0.01	-
C16:0 (Palmitic acid)	11.81	g/100 g	0.05	7.0-20
C17:0 (Heptadecanoic acid)	0.05	g/100 g	0.01	0.4
C18:0 (Stearic acid)	3.76	g/100 g	0.05	0.5-5.0
C20:0 (Arachidic acid)	0.40	g/100 g	0.01	0.6
C21:0 (Heneicosanoic acid)	Not Detected	g/100 g	0.01	-
C22:0 (Behenic acid)	0.10	g/100 g	0.01	0.3
C23:0 (Tricosanoic acid)	Not Detected	g/100 g	0.01	-
C24:0 (Lignoceric acid)	0.05	g/100 g	0.01	0.2
Sum monounsaturated fatty acids (MUFA)	78.61	g/100 g	0.05	
C14:1 (Myristoleic acid)	Not Detected	g/100 g	0.01	-
C16:1 (Palmitoleic acid)	1.06	g/100 g	0.01	0.3-3.5
C17:1 (Heptadecenoic acid)	0.08	g/100 g	0.01	0.6
C18:1 (Oleica cid)	77.25	g/100 g	0.05	55.0-85.0

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10. Fatty Acid Composition - 脂肪酸組成比例	Results	Unit	LOQ	Limit
C20:1 (Eicosenoic acid)	0.22	g/100 g	0.01	0.5
C22:1 (Erucic acid)	Not Detected	g/100 g	0.01	-
C24:1 (Nervonic acid)	Not Detected	g/100 g	0.01	-
Sum Polyunsaturated Fatty Acids (PUFA)	5.18	g/100 g	0.05	-
C18:2 (Linoleic acid)	4.50	g/100 g	0.05	2.5-21.0
C18:3 (Linolenic acid)	0.68	g/100 g	0.05	1.0
C20:2 (Eicosadienoic acid)	Not Detected	g/100 g	0.01	-
C20:3 (Eicosatrienoic acid)	Not Detected	g/100 g	0.01	-
C20:4 (Eicosatetranoic acid)	Not Detected	g/100 g	0.01	-
C22:2 (Docosadienoic acid)	Not Detected	g/100 g	0.01	-
C22:4 (Docosatetraenoic acid)	Not Detected	g/100 g	0.01	-
C22:5 (Docosapentaenoic acid)	Not Detected	g/100 g	0.01	-
Sum Trans Fatty Acids	0.02		0.05	
C16:1 Tr	Not Detected	g/100 g	0.01	-
C18:1 Tr	0.01	g/100 g	0.01	0.05
C18:2 Tr	0.01	g/100 g	0.01	0.05
C18:3 Tr	Not Detected	g/100 g	0.01	0.05

11. Polar Compounds - 總極性化合物	Results	Unit	LOQ	Limit
Total polar compounds	Not Detected	%	5	25

12. Cooper chlorophyll - 銅葉綠素	Results	Unit	LOQ	Limit
Copper chlorophyll	Not Detected	mg/kg	0.1	-

13. Heavy Metals - 重金屬	Results	Unit	LOQ	Limit
Lead (Pb)	Not Detected	mg/kg	0.05	0.1
Copper (Cu)	Not Detected	mg/kg	0.05	0.1
Iron (Fe)	Not Detected	mg/kg	0.1	1.0
Arsenic (As)	Not Detected	mg/kg	0.05	0.1

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14. Polycyclic Aromatic Hydrocarbons - 多環芳香族碳氫化合物	Results	Unit	LOQ	Limit
Total polycyclic aromatic hydrocarbons	Not Detected	µg/kg	0.5	10
Benzo(a)anthracene	Not Detected	µg/kg	0.5	-
Chrysene	Not Detected	µg/kg	0.5	-
Benzo(b)fluoranthene	Not Detected	µg/kg	0.5	-
Benzo(a)pyrene - (笨駢芘)	Not Detected	µg/kg	0.5	2

✓苯駢芘未檢出

15. Solvent residue - 溶劑殘留	Results	Unit	LOQ	Limit
n-Pentane	Not Detected	mg/kg	0.01	-
n-Hexane	Not Detected	mg/kg	0.01	-
n-Heptane	Not Detected	mg/kg	0.01	-
n-Octane	Not Detected	mg/kg	0.01	-
Cyclohexane	Not Detected	mg/kg	0.01	-
Trichloromethane	Not Detected	mg/kg	0.01	-
Trichloroethane	Not Detected	mg/kg	0.01	-
Perchloroethylene	Not Detected	mg/kg	0.01	-

16. Aflatoxins - 黃麴毒素	Results	Unit	LOQ	Limit
Total aflatoxins	Not Detected	µg/kg	1.0	10
Aflatoxin B1	Not Detected	µg/kg	1.0	-
Aflatoxin B2	Not Detected	µg/kg	1.0	-
Aflatoxin G1	Not Detected	µg/kg	1.0	-
Aflatoxin G2	Not Detected	µg/kg	1.0	-

17. Phthalates & Adipates - 塑化劑	Results	Unit	LOQ	Limit
Benzoic acid benzyl ester	Not Detected	mg/kg	0.1	-
Benzyl butyl phthalate (BBP)	Not Detected	mg/kg	0.1	-
Di (2-ethylhexyl) phthalate (DEHP)	Not Detected	mg/kg	0.1	-
Di(2-ethoxyethyl) phthalate (DEEP)	Not Detected	mg/kg	0.1	-
Di(2-n-butoxyethyl) phthalate (DBEP)	Not Detected	mg/kg	0.1	-
Di(4-Methyl-2-Pentyl) phthalate (DMPP)	Not Detected	mg/kg	0.1	-
Dibutyl phthalate (DBP)	Not Detected	mg/kg	0.1	-
Dicyclohexyl phthalate (DCHP)	Not Detected	mg/kg	0.1	-

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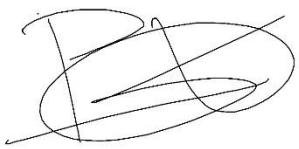
17. Phthalates & Adipates - 塑化劑	Results	Unit	LOQ	Limit
Diethyl phthalate (DEP)	Not Detected	mg/kg	0.1	-
Diheptyl phthalate (DHP)	Not Detected	mg/kg	0.1	-
Dihexyl phthalate (DHXP)	Not Detected	mg/kg	0.1	-
Diisobutyl phthalate (DIBP)	Not Detected	mg/kg	0.1	-
Diisodecyl phthalate (DIDP)	Not Detected	mg/kg	0.1	-
Dimethyl phthalate (DMP)	Not Detected	mg/kg	0.1	-
Dimethylglycol phthalate (DMEP)	Not Detected	mg/kg	0.1	-
Di-n-octyl phthalate (DNOP)	Not Detected	mg/kg	0.1	-
Dinonyl phthalate (DNNP)	Not Detected	mg/kg	0.1	-
Di-n-pentyl phthalate (DNPP)	Not Detected	mg/kg	0.1	-
Hexyl-2-ethylhexyl phthalate	Not Detected	mg/kg	0.1	-
Diisononyl phthalate (DINP)	Not Detected	mg/kg	0.1	-
Di buthyladipate (DBA)	Not Detected	mg/kg	0.1	-
Di ethyladipate (DEA)	Not Detected	mg/kg	0.1	-
Di(2-ethylhexyl) adipate (DEHA)	Not Detected	mg/kg	0.1	-
Diisobutyl adipate (DIBA)	Not Detected	mg/kg	0.1	-

18. Pestocode Residues(*) - 農藥殘留	Results	Unit	LOQ	Limit
Screened pesticides	Not Detected	mg/kg	0.01	

SIGNATURE



Pedro J. Vílchez
Technical manager

ANALYTICAL REPORT

Conclusion - .. 結果

Erucic acid is not detected. - 芥酸未檢出

Contaminant is not detected. - 未檢出汙染物

*Pesticides analyzed - 檢驗農藥

Acetochlor	Chlorpyrifos	Dimethoate	Fluquinconazole	Molinathe	Quinoxyfen
Alachlor	Chlorpyrifos methyl	Dimoxystrobin	Flusilazole	Napropamide	Simazine
Aldrin R	Chlorprofam	Diniconazole	Folpet	Nitrofen	Simethryn
Alfa HCH	Clomazone	Dipropetrin	Fonofos	Nitrotalisoprophyl	Sulprofos
Atrazine	Cloquintocet mexil	Disulfoton	Formothion	Oxadiazon	Tebuconazole
Azaconazole	Coumafos	Diuron	Furalaxyl	Oxifluorphen	Terbufos
Azinphos ethyl	Crimidine	Endosulfan alfa	Heptachlor	Parathion mehyl	Terbuthylazine
Azinphos methyl	Cyanazine	Endosulfan beta	Heptachlor epox-a	Permethrin	Terbuthryn
Azoxystrobin	Cypermethrine	Endusolfan sulph	Heptachlor epox-b	Pertane etylan	Tetraconazole
Benalaxyl	Cyproconazole	Endrin	Hexachlorbencene	Phenthoate	Triazophos
Beta HCH	DDD	Etaconazole	Hexaconazole	Phosmet	Trietazine
Bifenthrin	DDT	Ethion	Exazionone	Pirimicarb	Trifluralin
Bromacil	Deltamethrine	Fenazaquin	Iodofenfos	Pirimiphos ethyl	Vinclozolin
Bromociclen	Dialifos	Fenbuconazol	Isophenfos methyl	Pirimiphos methyl	
Bromophos ethyl	Diazinon	Fenchlorfos	Lindane	Procymidone	
Bromopropylate	Dichlorrbutrazole	Fenitrothion	Malathion	Prometryn	
Buprofezin	Dichlorphention	Fenoxycarb	Mefenpirdiethyl	Propachlor	
Cadusafos	Dichlorfop methyl	Fensulfothion	Methalaxyl	Propetamphos	
Carbaryl	Dieldrin	Fenthion	Methazachlor	Propizamide	
Chlorfenson	Difenylamine	Fludhloralin	Methidathion	Propoxur	
Chlorfenvinfos	Difenoconazole	Fludioxonil	Metholachlor	Pyrazophos	
Chloropropylate	Diflufenican	Fluotrimazol	Metribuzin	Pyriproxyfen	

Remark and Disclaimer - 備註與聲明

The sample information used in this report are provided by the entrusting unit, and the laboratory is only responsible for analysis.
The results refer to the sample analyzed; the laboratory is not responsible for the sample collection unless otherwise stated.
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