



CERTIFICATE OF ANALYSIS no: P-104592

Date of issue: 01/02/2023

CUSTOMER: Schoen & Gut Katharina Schenke	PHONE :
MULTICHROM.LAB CODE No : P-104592	Date of analysis (from): 27/01/2023
COMMODITY ACCORDING TO	(to): 01/02/2023
CUSTOMER: EXTRA VIRGIN OLIVE OIL	SAMPLE CONDITION: NORMAL
RECEIVING DATE: 27/01/2023	SAMPLING BY: CUSTOMER
SEALS: None	
DATA:	

RESULTS

Determination	LoQ	Method	Unit	Result	Limit ^d
Free fatty acid content (as oleic acid)		2568/91	%	0,51	≤ 0,80
K Coefficients		2568/91	-	-	-
K268			-	0,145	≤ 0,22
K232			-	1,649	≤ 2,50
DK			-	-0,004	≤ 0,01
Peroxide Value		2568/91	meqO ₂ /kg	6,4	≤20,0
Fatty Acid Composition		2568/91	%	-	-
C14:0 (Myristic)				0,02	≤ 0,03
C16:0 (Palmitic)				11,58	7,00-20,00
C16:1 (Palmitoleic)				0,89	0,30-3,50
C17:0 (Heptadecanoic)				0,04	≤ 0,40
C17:1 (Heptadecenoic)				0,06	≤ 0,60
C18:0 (Stearic)				2,83	0,50-5,00
C18:1 (Oleic) (ω9)				76,13	55,00-85,00
C18:2 (Linoleic) (ω6)				6,68	2,50-21,00
C18:3 (Linolenic) (ω3)				0,76	≤ 1,00
C20:0 (Arachidic)				0,48	≤ 0,60
C20:1 (Eicosenoic)				0,30	≤ 0,50
C22:0 (Behenic)				0,17	≤ 0,20
C22:1 (Erucic) (ω9)				<0,01	-
C24:0 (Lignoceric)				0,06	≤ 0,20
trans C18:1				0,01	≤ 0,05
trans C18:2 + trans C18:3				0,01	≤ 0,05
Sterols		EU 2568/91	mg/kg	1608	≥ 1000
Cholesterol			%	0,2	≤ 0,5
Brassicasterol			%	<0,1	≤ 0,1
24-methylcholesterol			%	0,3	-

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Campesterol (Carnes.)			%	3,4	≤ 4,0
Campestanol			%	0,1	-
Stigmasterol			%	0,8	< Carnes.
d7-campestanol			%	0,0	-
d5,23stigm/dienol			%	0,0	-
Clerosterol			%	1,0	-
B-sitosterol			%	74,8	-
Sitostanol			%	0,2	-
d5-avenasterol			%	17,9	-
d5,24-stigm/dienol			%	0,8	-
d7-stigmastenol			%	0,2	≤ 0,5
d7-avenasterol			%	0,4	-
Erythrodiol			%	3,5	-
Uvaol			%	1,0	-
Erythrodiol+uvaol			%	4,5	≤ 4,5
Total b-sitosterol			%	94,7	≥ 93,0
Pesticide Residues by GC/MS-MS		Internal by GC/MS-MS	mg/kg	-	-
alpha- cypermethrin	0,01		mg/kg	0.012	-
Acetamidrid ^d	0,01		mg/kg	n.d.	-
Aclonifen	0,01		mg/kg	n.d.	-
Acrinathrin	0,01		mg/kg	n.d.	-
Alachlor	0,01		mg/kg	n.d.	-
Aldrin	0,01		mg/kg	n.d.	-
Azaconazole	0,01		mg/kg	n.d.	-
Azinphos-ethyl	0,01		mg/kg	n.d.	-
Azinphos-methyl	0,01		mg/kg	n.d.	-
Benalaxyl	0,01		mg/kg	n.d.	-
Benfluralin	0,01		mg/kg	n.d.	-

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Benfuracarb ^a	0,01		mg/kg	n.d.	-
Bifenthrin	0,01		mg/kg	n.d.	-
Biphenyl (diphenyl) ^a	0,01		mg/kg	n.d.	-
Bitertanol	0,01		mg/kg	n.d.	-
Bromacil	0,01		mg/kg	n.d.	-
Bromophos-ethyl	0,01		mg/kg	n.d.	-
Bromophos-methyl	0,01		mg/kg	n.d.	-
Bromopropylate	0,01		mg/kg	n.d.	-
Buprofezin	0,01		mg/kg	n.d.	-
Butafenacil	0,01		mg/kg	n.d.	-
Carbaryl	0,01		mg/kg	n.d.	-
Carbosulfan ^a	0,01		mg/kg	n.d.	-
Chlordane	0,02		mg/kg	n.d.	-
Chlorfenapyr	0,01		mg/kg	n.d.	-
Chlorfenson (Ovex)	0,01		mg/kg	n.d.	-
Chlorobenzilate	0,01		mg/kg	n.d.	-
Chloroneb	0,01		mg/kg	n.d.	-
Chlorothalonil	0,02		mg/kg	n.d.	-
Chlorpropham	0,01		mg/kg	n.d.	-
Chlorpyrifos (ethyl)	0,01		mg/kg	n.d.	-
Chlorpyrifos-methyl	0,01		mg/kg	n.d.	-
Chlorthal-dimethyl	0,01		mg/kg	n.d.	-
Chlozolinate	0,01		mg/kg	n.d.	-
Clomazone	0,01		mg/kg	n.d.	-
Cloquintocet-mexyl	0,01		mg/kg	n.d.	-
Cyanophos	0,01		mg/kg	n.d.	-
Cyfluthrin	0,01		mg/kg	n.d.	-
Cyhalothrin - λ	0,01		mg/kg	0.063	-

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SEALS: None

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Cypermethrin, 4 isomers	0,01		mg/kg	n.d.	-
Cyproconazole	0,01		mg/kg	n.d.	-
2,4-DDT	0,01		mg/kg	n.d.	-
4,4-DDD	0,01		mg/kg	n.d.	-
4,4-DDE	0,01		mg/kg	n.d.	-
4,4-DDT	0,01		mg/kg	n.d.	-
Deltamethrin	0,01		mg/kg	0.012	-
Diazinon	0,01		mg/kg	n.d.	-
Dichlobenil ^a	0,01		mg/kg	n.d.	-
Dichlofenthion	0,01		mg/kg	n.d.	-
4,4-Dichlorobenzophenone	0,01		mg/kg	n.d.	-
Dichlorvos ^a	0,01		mg/kg	n.d.	-
Diclobutrazol	0,01		mg/kg	n.d.	-
Dichloran	0,01		mg/kg	n.d.	-
Dieldrin	0,01		mg/kg	n.d.	-
Difenoconazole	0,01		mg/kg	n.d.	-
Diflufenican	0,01		mg/kg	n.d.	-
Dimethenamid	0,01		mg/kg	n.d.	-
Dimethoate	0,01		mg/kg	n.d.	-
Diniconazole	0,01		mg/kg	n.d.	-
Diphenamid	0,01		mg/kg	n.d.	-
Diphenylamine	0,01		mg/kg	n.d.	-
Endosulfan sulfate	0,01		mg/kg	n.d.	-
Endosulfan-alpha	0,01		mg/kg	n.d.	-
Endosulfan-beta	0,01		mg/kg	n.d.	-
Endrin	0,01		mg/kg	n.d.	-
EPN	0,01		mg/kg	n.d.	-
Epoxiconazole	0,01		mg/kg	n.d.	-

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EPTC ^a	0,01		mg/kg	n.d.	-
Etaconazol	0,01		mg/kg	n.d.	-
Etaconazol	0,01		mg/kg	n.d.	-
Ethion	0,01		mg/kg	n.d.	-
Ethofumesate	0,01		mg/kg	n.d.	-
Ethoxyquin ^a	0,01		mg/kg	n.d.	-
Etofenprox	0,01		mg/kg	n.d.	-
Etridiazole ^a	0,01		mg/kg	n.d.	-
Famoxadone	0,01		mg/kg	n.d.	-
Famphur	0,01		mg/kg	n.d.	-
Fenamidone	0,01		mg/kg	n.d.	-
Fenarimol	0,01		mg/kg	n.d.	-
Fenazaquin	0,01		mg/kg	n.d.	-
Fenchlorphos	0,01		mg/kg	n.d.	-
Fenchlorphos-oxon	0,01		mg/kg	n.d.	-
Fenitrothion	0,01		mg/kg	n.d.	-
Fenoxycarb	0,01		mg/kg	n.d.	-
Fenpropathrin	0,01		mg/kg	n.d.	-
Fenpropimorph	0,01		mg/kg	n.d.	-
Fenson	0,01		mg/kg	n.d.	-
Fenthion	0,01		mg/kg	n.d.	-
Fenthion sulfone	0,01		mg/kg	n.d.	-
Fenthion sulfoxide	0,01		mg/kg	n.d.	-
Fenvalerate	0,01		mg/kg	n.d.	-
Flonicamid	0,01		mg/kg	n.d.	-
Fluchloralin	0,01		mg/kg	n.d.	-
Flucythrinate	0,01		mg/kg	n.d.	-
Flumioxazine	0,01		mg/kg	n.d.	-

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Fluquinconazole	0,01		mg/kg	n.d.	-
Flutriafol	0,01		mg/kg	n.d.	-
Fluvalinate	0,01		mg/kg	n.d.	-
Fonofos (dyfonate)	0,01		mg/kg	n.d.	-
Formothion	0,01		mg/kg	n.d.	-
HCH-alpha	0,01		mg/kg	n.d.	-
HCH-beta	0,01		mg/kg	n.d.	-
HCH-delta	0,01		mg/kg	n.d.	-
HCH-gamma (Lindane)	0,01		mg/kg	n.d.	-
Heptachlor	0,01		mg/kg	n.d.	-
Heptachl. epoxide endo	0,01		mg/kg	n.d.	-
Heptachl. epoxide exo	0,01		mg/kg	n.d.	-
Hexachlorobenzene	0,01		mg/kg	n.d.	-
Imazalil	0,02		mg/kg	n.d.	-
Ibropenphos	0,01		mg/kg	n.d.	-
Iprodione	0,01		mg/kg	n.d.	-
Isocarbofos	0,01		mg/kg	n.d.	-
Isodrin	0,01		mg/kg	n.d.	-
Isofenphos	0,01		mg/kg	n.d.	-
Isofenphos-methyl	0,01		mg/kg	n.d.	-
Iodofenphos	0,01		mg/kg	n.d.	-
Leptophos	0,01		mg/kg	n.d.	-
Malaoxon	0,01		mg/kg	n.d.	-
Malathion	0,01		mg/kg	n.d.	-
Mefenpyr-diethyl	0,01		mg/kg	n.d.	-
Metazachlor	0,01		mg/kg	n.d.	-
Methacriphos	0,01		mg/kg	n.d.	-
Methidathion	0,01		mg/kg	n.d.	-

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Methomyl ^a	0,01		mg/kg	n.d.	-
Methoprotryne	0,01		mg/kg	n.d.	-
Methoxychlor	0,01		mg/kg	n.d.	-
Metolachlor	0,01		mg/kg	n.d.	-
Metribuzin	0,01		mg/kg	n.d.	-
Mevinphos	0,01		mg/kg	n.d.	-
Myclobutanyl	0,01		mg/kg	n.d.	-
Nitralin ^a	0,01		mg/kg	n.d.	-
Nitrapyrin	0,01		mg/kg	n.d.	-
Nitrofen	0,01		mg/kg	n.d.	-
Nitrothal-isopropyl	0,01		mg/kg	n.d.	-
Norflurazon	0,01		mg/kg	n.d.	-
o-Phenylphenol	0,01		mg/kg	n.d.	-
Oxadiazon	0,01		mg/kg	n.d.	-
Oxyfluorfen	0,01		mg/kg	n.d.	-
Paraoxon-methyl	0,02		mg/kg	n.d.	-
Parathion	0,01		mg/kg	n.d.	-
Parathion-methyl	0,01		mg/kg	n.d.	-
Pebulate	0,01		mg/kg	n.d.	-
Pencycuron	0,01		mg/kg	n.d.	-
Pendimethalin	0,01		mg/kg	n.d.	-
Pentachloroaniline	0,01		mg/kg	n.d.	-
Pentachloranisole	0,01		mg/kg	n.d.	-
Permethrin	0,01		mg/kg	n.d.	-
Perthane	0,01		mg/kg	n.d.	-
Phenthoate	0,01		mg/kg	n.d.	-
Phorate	0,01		mg/kg	n.d.	-
Phosalone	0,01		mg/kg	n.d.	-

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Phosmet	0,01		mg/kg	0.031	-
Piperonyl butoxide	0,01		mg/kg	n.d.	-
Pirimicarb	0,01		mg/kg	n.d.	-
Pirimiphos-methyl	0,01		mg/kg	n.d.	-
Procymidone	0,01		mg/kg	n.d.	-
Profluralin	0,01		mg/kg	n.d.	-
Propanil	0,01		mg/kg	n.d.	-
Propargite	0,01		mg/kg	n.d.	-
Propazine	0,01		mg/kg	n.d.	-
Propetamphos	0,01		mg/kg	n.d.	-
Propham	0,01		mg/kg	n.d.	-
Propiconazole	0,01		mg/kg	n.d.	-
Propyzamide	0,01		mg/kg	n.d.	-
Prosulfocarb	0,01		mg/kg	n.d.	-
Prothiofos	0,01		mg/kg	n.d.	-
Pyraclostrobin	0,01		mg/kg	n.d.	-
Pyridaphenthion	0,01		mg/kg	n.d.	-
Pyrifenox	0,01		mg/kg	n.d.	-
Pyriproxyfen	0,01		mg/kg	n.d.	-
Quinoxifen	0,01		mg/kg	n.d.	-
Quintozene	0,01		mg/kg	n.d.	-
S 421	0,01		mg/kg	n.d.	-
Spiromesifen	0,01		mg/kg	n.d.	-
Tebuconazole	0,01		mg/kg	n.d.	-
Tecnazene	0,01		mg/kg	n.d.	-
Tefluthrin	0,01		mg/kg	n.d.	-
Terbacil	0,01		mg/kg	n.d.	-
Terbufos	0,01		mg/kg	n.d.	-

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Terbutylazine	0,01		mg/kg	n.d.	-
Tetradifon	0,01		mg/kg	n.d.	-
Tetramethrin	0,01		mg/kg	n.d.	-
Tetrasul	0,02		mg/kg	n.d.	-
Thiabendazole	0,01		mg/kg	n.d.	-
Thiacloprid	0,01		mg/kg	n.d.	-
Tolclofos-methyl	0,01		mg/kg	n.d.	-
Transfluthrin	0,01		mg/kg	n.d.	-
Triadimefon	0,01		mg/kg	n.d.	-
Tri-allate	0,01		mg/kg	n.d.	-
Triazophos ^a	0,01		mg/kg	n.d.	-
Trichloronate	0,01		mg/kg	n.d.	-
Trifloxystrobin	0,01		mg/kg	n.d.	-
Trifluralin	0,01		mg/kg	n.d.	-
Vinclozolin	0,01		mg/kg	n.d.	-


Dimitrios Salivaras
Laboratory Supervisor


Emmanuel Salivaras, M.Sc.
Laboratory General Manager

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