



CERTIFICATE OF ANALYSIS no: 81464

Date of issue: 23/1/2020

CUSTOMER: Schon & Gut Katharina Schenke	FAX : 27210-71578
MULTICHROM.LAB CODE No : 81464	Date of analysis (from): 21/1/2020
DECLARED COMMODITY: EXTRA VIRGIN OLIVE OIL	(to): 23/1/2020
RECEIVING DATE: 21/1/2020	SAMPLE CONDITION: NORMAL
SEALS: None	SAMPLING BY: CUSTOMER
DATA:	

RESULTS

Determination	Limit of Quantitation	Method	Unit	Result	Limit
Free fatty acid content (as oleic acid)		2568/91	%	0,24	≤ 0,8
K Coefficients		2568/91	-	-	-
K268			-	0,134	≤ 0,22
K232			-	1,467	≤ 2,50
DK			-	-0,004	≤ 0,01
Peroxide Value		2568/91	meqO2/kg	5,1	≤20,0
Fatty Acid Composition		2568/91	%	-	-
C14:0 (Myristic)				0,01	≤ 0,03
C16:0 (Palmitic)				11,56	7,5-20,0
C16:1 (Palmitoleic)				0,87	0,3-3,5
C17:0 (Heptadecanoic)				0,04	≤ 0,40
C17:1 (Heptadecenoic)				0,07	≤ 0,60
C18:0 (Stearic)				2,71	0,5-5,0
C18:1 (Oleic) (ω9)				76,92	55,0-83,0
C18:2 (Linoleic) (ω6)				6,12	2,5-21,0
C18:3 (Linolenic) (ω3)				0,70	≤ 1,0
C20:0 (Arachidic)				0,47	≤ 0,6
C20:1 (Eicosenoic)				0,31	≤ 0,50
C22:0 (Behenic)				0,16	≤ 0,2
C22:1 (Erucic) (ω9)				0,00	-
C24:0 (Lignoceric)				0,06	≤ 0,2
trans C18:1				0,01	≤ 0,05
trans C18:2 + trans C18:3				0,01	≤ 0,05
Sterols	EU 2568/91		mg/kg	1209	≥ 1000
Cholesterol			%	0,4	≤ 0,5
Brassicasterol			%	<0,1	≤ 0,1
24-methylcholesterol			%	0,3	-
Campesterol (Carnes.)			%	3,5	≤ 4,0
Campestanol			%	0,1	-
Stigmasterol			%	0,5	< Carnes.
d7-campestanol			%	0,0	-

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d5,23stigm/dienol			%	0,0	-
Clerosterol			%	0,9	-
B-sitosterol			%	77,6	-
Sitostanol			%	0,4	-
d5-avenasterol			%	14,9	-
d5,24-stigm/dienol			%	0,8	-
d7-stigmastenol			%	0,2	≤ 0,5
d7-avenasterol			%	0,3	-
Erythrodiol			%	2,9	-
Uvaol			%	1,2	-
Erythrodiol+uvaol			%	4,1	≤ 4,5
Total b-sitosterol			%	94,7	≥ 93,0
Pesticide Residues by GC/MS-MS		Internal by GC/MS-MS (Limit of Quantitation LoQ: 0,01mg/kg / substance)	mg/kg	-	-
alpha- cypermethrin	0,01		mg/kg	0,018	-
Acibenzolar-S-methyl	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.	-
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.	-
Benfuracarb	0,01		mg/kg	n.d.	-
Bifenox	0,01		mg/kg	n.d.	-
Bifenthrin	0,01		mg/kg	n.d.	-
Biphenyl (diphenyl)	0,01		mg/kg	n.d.	-
Biphenyl (diphenyl)	0,01		mg/kg	n.d.	-
Bromacil	0,01		mg/kg	n.d.	-

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Bromophos-ethyl	0,01		mg/kg	n.d.	-
Bromophos-methyl	0,01		mg/kg	n.d.	-
Bromopropylate	0,01		mg/kg	n.d.	-
Butafenacil	0,01		mg/kg	n.d.	-
Carbaryl	0,01		mg/kg	n.d.	-
Carbosulfan	0,01		mg/kg	n.d.	-
Chlordane cis / trans	0,01		mg/kg	n.d.	-
Chlorfenapyr	0,01		mg/kg	n.d.	-
Chlorfenson (Ovex)	0,01		mg/kg	n.d.	-
Chlorfenson (Ovex)	0,01		mg/kg	n.d.	-
Chlorfenson (Ovex)	0,01		mg/kg	n.d.	-
Chlorothalonil	0,01		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, 4 isomers	0,01		mg/kg	n.d.	-
Cyhalothrin - λ	0,01		mg/kg	n.d.	-
Cypermethrin, 4 isomers	0,01		mg/kg	n.d.	-
Cyproconazole	0,01		mg/kg	n.d.	-
DDT Total	0,01		mg/kg	n.d.	-
Deltamethrin	0,01		mg/kg	0,025	-
Diazinon	0,01		mg/kg	n.d.	-
Dichlobenil	0,01		mg/kg	n.d.	-
Dichlofenthion	0,01		mg/kg	n.d.	-
Dichlofluanid	0,01		mg/kg	n.d.	-
4,4-Dichlorobenzophenone	0,01		mg/kg	n.d.	-
Dichlorvos	0,01		mg/kg	n.d.	-

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Diclobutrazol mix	0,01		mg/kg	n.d.	-
Dicloran	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- α & - β	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.	-
EPTC (1)	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	0,01		mg/kg	n.d.	-
Etofenprox	0,01		mg/kg	n.d.	-
Etridiazole	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.	-
Fenchlorphos	0,01		mg/kg	n.d.	-
Fenitrothion	0,01		mg/kg	n.d.	-
Fenpropathrin	0,01		mg/kg	n.d.	-
Fenpropimorph (1)	0,01		mg/kg	n.d.	-
Fenson	0,01		mg/kg	n.d.	-

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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.	-
Fluquinconazole	0,01		mg/kg	n.d.	-
Flutriafol	0,01		mg/kg	n.d.	-
Fluvalinate-τ	0,01		mg/kg	n.d.	-
Fonofos (dyfonate)	0,01		mg/kg	n.d.	-
Formothion	0,01		mg/kg	n.d.	-
HCH-α, -β, -γ & δ	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 (1)	0,01		mg/kg	n.d.	-
Ibropenphos	0,01		mg/kg	n.d.	-
Iprodione	0,01		mg/kg	n.d.	-
Isocarbophos	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.	-
Jodfenphos	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.	-
Metalaxyl-M	0,01		mg/kg	n.d.	-
Metazachlor	0,01		mg/kg	n.d.	-
Methacriphos	0,01		mg/kg	n.d.	-

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Methidathion	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	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.	-
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.	-
Pentachloranisole	0,01		mg/kg	n.d.	-
Permethrin	0,01		mg/kg	n.d.	-
Perthan	0,01		mg/kg	n.d.	-
Phenthoate	0,01		mg/kg	n.d.	-
Phorate (2)	0,01		mg/kg	n.d.	-
Phosalone	0,01		mg/kg	n.d.	-
Phosmet (2)	0,01		mg/kg	n.d.	-
Piperonyl butoxide	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.	-

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Propazine	0,01		mg/kg	n.d.	-
Propetamphos	0,01		mg/kg	n.d.	-
Propham	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 mix	0,01		mg/kg	n.d.	-
Terbacil	0,01		mg/kg	n.d.	-
Terbufos	0,01		mg/kg	n.d.	-
Tetradifon	0,01		mg/kg	n.d.	-
Tetramethrin	0,01		mg/kg	n.d.	-
Tetrasul (1)	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	0,01		mg/kg	n.d.	-
Trichloronat	0,01		mg/kg	n.d.	-
Trichloronat	0,01		mg/kg	n.d.	-
Trifloxystrobin	0,01		mg/kg	n.d.	-
Trifluralin	0,01		mg/kg	n.d.	-

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