


TEST REPORT


 Testing
 No. of Certificate 489


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|---|--|
| CLIENT DETAILS | Certificate No. : 4742-GR01053700-23-02 Issue No. : 1 Date Received : 15/12/2023 Start of Analysis : End of Analysis : |
| EMINEMS OLIVE OIL PRODUCE SELIMIYE MAH. AKDENIZ No22 IC KAPI No1MILAS MUGLA, | |
| SAMPLE DETAILS | SAMPLING PROCESS DETAILS Sampled by : Πελάτης (Client) Condition : Αποδεκτή (Acceptable) Packaging : Περιέκτης (container) >100g Preservation : Ψυγείο (Refrigerator) |
| Code : 4742-GR01053700-23 Order No : 170636 Category : Fats & Oils Description : EMINEMS OLIVE OIL-ORO DI MILAS | |

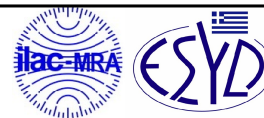
RESULTS

| Parameters of Analysis | Result | Units | DL | Method | Remark |
|---|--------|----------------|------|---|--------|
| mineral oil saturated hydrocarbons (MOSH) | <DL | mg/Kg | 1 | GC-FID | 1 |
| mineral oil aromatic hydrocarbons (MOAH) | <DL | mg/Kg | 0.5 | GC-FID | 1 |
| Myristic acid (C14:0) | 0.03 | % of total fat | 0.02 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Palmitic acid (C16:0) | 16.6 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Palmitoleic acid (C16:1) | 0.94 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| cis-10-Heptadecenoic acid (C17:1) | 0.05 | % of total fat | 0.02 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Heptadecanoic acid (C17:0) | 0.05 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Stearic acid (C18:0) | 2.81 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Oleic acid (C18:1) | 65.0 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| α-Linoleic acid (C18:2) | 10.9 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |

Lab Director

 G. Siragakis, Chemist MSc

Athens Laboratory Supervisor

 Kostas Alexiou, Food Chemist

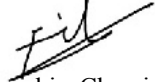
Technical Manager

 Dr. G. E. Miliadis, Chemist


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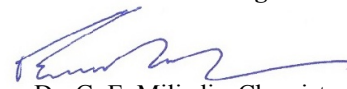
| | | | | | |
|-----------------------------------|---------------|------------------------|------|---|---|
| Arachidic acid (C20:0) | 0.49 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Linolenic acid (C18:3) | 0.88 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Eicosenoic acid (Gadoleic, C20:1) | 0.33 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Behenic acid (C22:0) | 0.15 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Erucic acid (C22:1) | <DL | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Lignoceric acid (C24:0) | 0.11 | % of total fat | 0.05 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Oleic acid (trans Oleic-C18:1t) | 0.06 | % of total fat | 0.02 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| trans Linoleic acid (C18:2T) | 0.05 | % of total fat | 0.02 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| trans Linolenic(C18:3T) acid | <DL | % of total fat | 0.02 | International Olive Oil Council. COI/T.20/Doc. no.28 (GC-FID) | |
| Total Polyphenols (as tyrosol) | 341.6 | mg/Kg | 40 | International Olive Council, COI/T.20/Doc No 29 | |
| STEROLS PROFILE | | | | | 1 |
| Cholesterol | 0.1 | %sterol content | 0.1 | IOOC | 1 |
| Brassicasterol | <DL | %sterol content | 0.01 | IOOC | 1 |
| 24-meth-Cholesterol | 0.1 | %sterol content | 0.01 | IOOC | 1 |
| Campesterol | 3.4 | %sterol content | 0.01 | IOOC | 1 |
| Campestanol | <DL | %sterol content | 0.01 | IOOC | 1 |
| Stigmasterol | 1.6 | %sterol content | 0.01 | IOOC | 1 |
| Δ^7 -Campestanol | <DL | %sterol content | 0.01 | IOOC | 1 |
| $\Delta^5,23$ -Stigmastadienol | <DL | %sterol content | 0.01 | IOOC | 1 |

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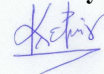
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|---|---------------|-----------------|------|---|---|
| Clerosterol | 1.2 | %sterol content | 0.01 | IOOC | 1 |
| β -Sitosterol | 89.7 | %sterol content | 0.01 | IOOC | 1 |
| Sitostanol | 0.2 | %sterol content | 0.01 | IOOC | 1 |
| Δ 5-Avenasterol | 2.5 | %sterol content | 0.01 | IOOC | 1 |
| Δ 5,24-Stigmastadienol | 0.3 | %sterol content | 0.01 | IOOC | 1 |
| Δ 7-Stigmastenol | 0.3 | %sterol content | 0.01 | IOOC | 1 |
| Δ 7-Avenasterol | 0.3 | %sterol content | 0.01 | IOOC | 1 |
| Sum of Erythrodiol & Uvaol | 0.9 | %sterol content | 0.01 | IOOC | 1 |
| β -Sitosterol mix | 94.2 | %sterol content | 0.01 | IOOC | 1 |
| Total Sterols content | 1403 | mg/Kg | 0.01 | IOOC | 1 |
| Peroxide Value | 5.30 | mEq O2/kg | 0.31 | internal method (O 1023A), based on American Oil Chemists' Society, Official method Cd 8-53, 2009 | |
| Acidity | 0.21 | % (w/w) | 0.04 | O 1014A In house method based on American Oil Chemists Society, Official method Ca 5a-40, 1997 | |
| Special Absorption Coefficient (Δ K) | -0.003 | - | - | EEC Reg. 2568/91 | |
| Absorption Coefficient for $\lambda=232\text{nm}$ (K 232) | 1.64 | - | - | EEC Reg. 2568/91 | |
| Absorption Coefficient for $\lambda=270\text{nm}$ (K 270) | 0.116 | - | - | EEC Reg. 2568/91 | |
| waxes (C42-C44-C46) | 35 | mg/Kg | 10 | SPE | 2 |

1: test performed by collaborating laboratory, out of its accreditation scope. 2: out of the accreditation scope.

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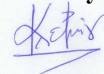
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RESULTS

| Parameters of Analysis | Result | Units | DL | Method | Remark |
|--|--------|-------|----|------------------|--------|
| Residue Analysis of 250 substances for plant-protection products | | | | | |
| Table 1 | <LOD | mg/Kg | | LC-MS/MS O 1007A | |
| TABLE 1 (Πίνακας 1) Method: LC-MS/MS, (Μέθοδος: LC-MS/MS) LOD: Limit of Detection (Όριο Ανίχνευσης) = 0,01mg/kg Compounds (Ουσίες): abamectin, acephate, acetamiprid, acetochlor, alachlor, aldicarb total (aldicarb & aldicarb sulfoxide & aldicarb sulfone), ametryn, amitraz, asulam, atrazine, azinphos ethyl, azinphos methyl, azoxystrobin, benalaxyl, *benfuracarb, *bensulfuron methyl, benzoxyamate, bifenox, boscalid, bromacil, bromophos ethyl, bromuconazole, bupirimate, buprofezin, caduzafos, carbaryl, carbendazim (&benomyl), carbofuran total (carbofuran & 3-hydroxy carbofuran), *carbosulfan, carboxin, chlorbromuron, chlorfenvinfos, chloridazone, chloroxuron, chlorpyrifos ethyl, chlorpyrifos methyl, *chlorsulfuron, chlortoluron, clethodim, clodinafop propargyl, clofentezin, clothianidin, coumaphos, cyanazine, cyanofenphos, cymoxanil, cyproconazole, cyprodinil, demeton S methyl sulfone, *diafenthion, diazinon, dichlofenthion, dichlorvos, dicrotophos, diethofencarb, difenoconazole, diflubenzuron, diflufenican, dimethoate, dimethomorph, dimoxystrobin, diniconazole, dinitramine, diphenamide, ditalimfos, diuron, *dodemorph, *emamectin-benzoate B1a, *emamectin-benzoate B1b, epoxiconazole, etaconazole, ethion, *ethirimol, ethofumesate, ethoprophos, etofenprox, etoxazole, famoxadone, fenamidone, fenamiphos total (fenamiphos & fenamiphos sulfone & fenamiphos sulfoxide), fenarimol, fenazaquin, fenbuconazole, fenhexamide, fenoxycarb, fenciclonil, *fenpropidin, fenpropathrin, *fenpropimorph, fenpyroximate, fensulfthion, fenthion, fenthion oxon, fenthion oxon sulfoxide fenthion sulfone, fenthion sulfoxide, *florasulam, fluzafop-P-butyl, flufenacet, flufenoxuron, fluometuron, fluopicolide, fluquinconazole, flusilazole, flutolanil, flutriafol, fonofos, *foramsulfuron, forchlorfenuron, formetanate, fosthiazate, furathiocarb, haloxyfop methyl ester, heptenophos, hexaconazole, hexythiazox, imazalil, imazamethabenz methyl, imibenconazole, imidacloprid, indoxacarb, iprovalicarb, isazophos, isopenphos methyl, isoprothiolane, isoproturon, kresoxyl methyl, linuron, lufenuron, malathion total (malathion & malaoxon), mecarbam, mepanipyrim, *mesosulfuron methyl, metalaxyl M, metamitron, metazachlor, metconazole, methabenzthiazuron methamidophos, methidathion, methiocarb total (methiocarb & methiocarb sulfone & methiocarb sulfoxide), methomyl, methoxyfenozide, metobromuron, metolachlor S, metoxuron, metribuzin, *metsulfuron methyl, mevinphos cis, mevinphos trans, monocrotophos, monolinuron, myclobutanil, napropamid, *nicosulfuron, nitenpyram, nuarimol, omethoate, oxadiazon, oxadixyl, oxamyl, paclobutrazol, paraoxon methyl, penconazole, pencycuron, pendimethalin, phenthoate, phosalone, phosmet, phosphamidon, phoxim, picolinafen, picoxystrobin, piperonyl butoxide, pirimicarb, pirimicarb desmethyl, pirimiphos ethyl, pirimiphos methyl, *primisulfuron methyl, prochloraz, profenofos, prometryn, propachlor, *propamocarb, propargite, propazine, propetamphos, propham, propiconazole, propoxur, prothiofos, pymetrozine, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, pyridaben, pyridafenthion, pyrifenox, pyrimethanil, pyriproxyfen, quinalphos, quinoxifen, *rimsulfuron, sethoxydim, simazine, spinosad total (spinosyn A & spinosyn D), *spiroxamine, tebuconazole, tebufenozide, tebufenpyrad, temephos, terbufos, terbufos sulfone, terbuthylazine, terbutryn, tetrachlorvinphos, tetraconazole, thiabentazole, thiacloprid, thiamethoxam, thiobencarb, *thiodicarb, *thiofensulfuron methyl, tolclofos methyl, tralkoxydim, triadimefon, triadimenol, triasulfuron, triazophos, tricyclazole, trifloxystrobin, triflumizole, uniconazole, vamidothion, zoxamide. *Compounds with one asterisk are not included in our accreditation scope (Οι ουσίες με ένα ασκέρικο δε συμπεριλαμβάνονται στο πεδίο διαπίστευσης μας). Πακέτο LC-6 , Έκδοση: 7-12-2023. | | | | | |

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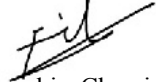
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Η προσβαση στα όρια νομοθεσίας (MRL) γίνεται από τον ιστοχώρο της Ευρωπαϊκής Ένωσης (Pesticides EU-MRLs Database) <http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EL>
Access to legislation limits (MRL) is from the website of the European Union (Pesticides EU-MRLs Database) <http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EN>

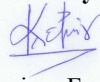
2: out of the accreditation scope.

Lab Director



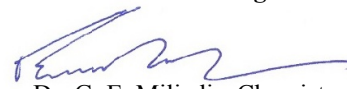
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Technical Manager



Dr. G. E. Miliadis, Chemist