

TEST REPORT

| | | |
|----|-------------------------------------|--------------------------|
| | <i>CLIENT</i> | ASTAR I LLC |
| | <i>Attention to</i> | |
| μ | <i>Certificate number</i> | 2246-20-01278-01 |
| μ/ | <i>Date Reported</i> | 19/2/2020 |
| μ | <i>Sample Description</i> | 0,34 |
| μ | <i>Sample Code</i> | 20-01278 |
| μ | <i>Sampling container</i> | (Package Product) |
| μ | <i>Sampler</i> | (CLIENT) |
| μ | <i>Sample Transport</i> | (Client) |
| μ/ | <i>Date of sampling</i> | 19/2/2020 |
| μ/ | <i>Date of sample received</i> | 19/2/2020 |
| μ | <i>Condition of sample received</i> | (Normal) |
| | <i>Start of Analysis</i> | 19/2/2020 |
| | <i>End of Analysis</i> | 19/2/2020 |

EN ISO/IEC 17025 (, 46/27-11-2001).
μ μ μ μ μ μ (*) Accredited tests are represented by the symbol (*).

TEST RESULTS

| μ | Parameters | μ | | [**] | Method |
|----------------------------|---------------------------------------|--------|-----------|-------------|-----------------|
| | | Result | Units | Limits [**] | |
| - CHEMICAL ANALYSIS | | | | | |
| * | () <i>Acidity (as oleic acid)</i> | 0.31 | % (w/w) | 0.8 | 2568/91 (μ μ) |
| * | μ <i>Peroxide Value</i> | 8.9 | mEq O2/kg | 20.0 | 2568/91 (μ μ) |
| * | 232 <i>232</i> | 1.69 | | 2.50 | 2568/91 (μ μ) |
| * | 268 <i>268</i> | 0.16 | | 0.22 | 2568/91 (μ μ) |

XHMIKOTECHNIKH
ANALYSEIS - MELETEΣ
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ΤΗΛ.: 28310 25412 ΦΑΞ: 28310 50626
Α.Φ.Μ.: 081756348 ΔΟΥ ΡΕΘΥΜΝΟΥ

(Fafoutakis Manolis)

μ - μ μ μ - μ
(Chemist - Head of Chemical Department of Olive Oil - Food)

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(Spantidaki Maria)

μ MSc-
(Chemist MSc - Technical Manager)

| μ | Parameters | μ | | [**] | |
|----------------------------|----------------------------------|--------|-------|-------------|--|
| | | Result | Units | Limits [**] | Method |
| - CHEMICAL ANALYSIS | | | | | |
| * | | 0.00 | | 0.01 | 2568/91 (μ μ) |
| * | Waxes (without C40) | 51 | mg/Kg | < 150 | Commission Regulation (EEC) 2568/91 (Annex XX) & COI/T.20/Doc. No 28 as in force |
| * | (μ C40) | 93 | mg/Kg | | Commission Regulation (EEC) 2568/91 (Annex XX) & COI/T.20/Doc. No 28 as in force |
| | Total Polyphenols as gallic acid | 209 | mg/Kg | | IN HOUSE, Photometric |

[**]

μ 2568/91
[**] Limits according to European Directive

μ μ
2568/91 as in force concerning extra virgin olive oil.

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| Date Reported | | 19/2/2020 |
| Sample Description | | 0,34 |
| Sample Code | | 20-01278 |
| Sampling container | | (Package Product) |
| Sampler | | (CLIENT) |
| Sample Transport | | (Client) |
| Date of sampling | | 19/2/2020 |
| Date of sample received | | 19/2/2020 |
| Condition of sample received | | (Normal) |
| Start of Analysis | | 19/2/2020 |
| End of Analysis | | 19/2/2020 |

EN ISO/IEC 17025 (, 46/27-11-2001).
(*). Accredited tests are represented by the symbol (*).

TEST RESULTS

- PESTICIDE ANALYSIS

- ANALYSIS PROFILE

| A/A | (METHOD) | (DESCRIPTION) |
|-----|----------|---|
| 1 | GC-MS/MS | E , _05 μ GC-MS/MS, μ ISO 15662:2018. In house multi-residue method, _05 employing GC-MS/MS, based on ISO 15662:2018. |

| μ - Parameters | μ | Units | Reporting Limit (RL) | MRL | Method |
|----------------------|-------|-------|----------------------|-----|----------|
| * Chlorpyrifos ethyl | <0.01 | mg/Kg | 0.01 | | GC-MS/MS |
| * Cyhalothrin | <0.01 | mg/Kg | 0.01 | | GC-MS/MS |
| * Deltamethrin | <0.01 | mg/Kg | 0.01 | | GC-MS/MS |

1: , μ
("LOD") μ . RL = 0.01 mg/kg

NOTE 1: Except the compounds in the above table, all the other pesticides were either not detected or were detected in concentration below the limit of detection ("LOD.") of the method. RL = 0.01 mg/kg

2: μ μμ .

NOTE 2: The following tables show all the analyzed compounds.

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μ - Continuing from previous page

μ/ - Certificate Number : 2246-20-01278-02
- Date of Reporting : 19/2/2020

- ANNEX

1: μ GC-MS/MS
TABLE 1: AGRICULTURAL DRUG RESIDUES analyzed by GC-MS/MS

| ACTIVE COMPOUND | ACTIVE COMPOUND | ACTIVE COMPOUND | ACTIVE COMPOUND |
|----------------------|---------------------------|-------------------------|--------------------|
| Acetochlor | Chloroneb | Endosulfan | Oxadiazon |
| Acibenzolar-S-methyl | Chlorothalonil | Endosulfan | Oxyfluorfen |
| Alachlor | Chlorpropham | Epoxiconazole | Pacllobutrazol |
| Alanycarb deg. | Chlorpyrifos ethyl | Ethion | Parathion |
| Aldrin | Chlorpyrifos methyl | Ethoprophos | Parathion methyl |
| Ametryn | Clomazone | Etofenprox | Penconazole |
| Amitraz | Clothianidin | Etrifos | Pendimethalin |
| Atrazine | Coumaphos | Fenamiphos | Permethrin |
| Azaconazole | Cyfluthrin | Fenarimol | Phenthoate |
| Azamethiphos | Cyhalothrin | Fenitrothion | Phorate |
| Azinphos ethyl | Cypermethrin | Fenoxycarb | Phosalone |
| Azinphos methyl | Cypermethrin alpha | Fenthion-metabol ite | Phosmet |
| Azoxystrobin | Cyproconazole | Fenvalerate | Phosphamidon |
| Benalaxyl | Cyprodinil | Fludioxonil | Piperonyl butoxide |
| Bendiocarb | DDD-o,p' | Flusilazole | Pirimicarb |
| Benfluralin | DDD-p,p' | Flutolanil | Pirimiphos methyl |
| Benfuracarb | DDE-o,p' | Flutriafol | Prochloraz |
| Bifenazate | DDE-p,p' | Fluvalinate | Procymidone |
| Bifenox | DDT-o,p' | HCH- | Profenofos |
| Bifenthrin | DDT-p,p' | HCH- | Propachlor |
| Biphenyl | Deltamethrin | HCH- (Lindane) | Propanil |
| Bitertanol | Demeton S methyl | HCH- | Propargite |
| Boscalid | Demeton S methyl sulphone | Heptachlor | Propyzamide |
| Bromacil | Desmedipham | Heptachlor endo epoxide | Pyrazophos |
| Bromophos ethyl | Diazinon | Heptachlor exo epoxide | Pyrimethanil |
| Bromophos methyl | Dichlobenil | Hydroxycarbofuran-3 | Pyriproxyfen |
| Bromopropylate | Dichlofluanid | Iprodione | Quinalphos |
| Bromuconazole | Dichloran | Kresoxim methyl | Quintozene |
| Bupirimate | Dichlorvos | Leptophos | Tebuconazole |
| Buprofezin | Diclobutrazol | Linuron | Tebufenpyrad |
| Butralin | Diclofop-methyl | Malathion | Tefluthrin |
| Cadusafos | Dicloran | Metalaxyl | Tetradifon |
| Carbofuran | Dicofol | Methacrifos | Tetramethrin |
| Carbophenothion | Dicrotophos | Methamidophos | Tolclofos methyl |
| Carbosulfan | Dieldrin | Methidathion | Triadimefon |
| Carboxin | Diethofencarb | Methoxychlor | Triadimenol |
| Carfentrazone ethyl | Difenoconazole | Metolachlor | Triazophos |
| Chlordane cis | Diflufenican | Mevinphos | Tricyclazole |
| Chlordane trans | Dimethoate | Monocrotophos | Triflumizole |
| Chlorfenson | Diniconazole | Myclobutanil | Trifluralin |
| Chlorfenvinphos | Endosulfan sulfate | Nitrofen | Vinclozolin |

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EN ISO/IEC 17025 (), 46/27-11-2001).

(*). Accredited tests are represented by the symbol (*).

TEST RESULTS

- FATTY ACIDS PROFILE

| Parameters | Result | Units | Limits [**] | Method |
|--------------------------------|--------------------|-------|-------------|---|
| | * C14:0 (Myristic) | 0.02 | % TFA | 0.03 |
| * C16:0 (Palmitic acid) | 12.93 | % TFA | 7.50-20.00 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C16:1 (Palmitoleic acid) | 0.94 | % TFA | 0.30-3.50 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C17:0 (Heptadecanoic) | 0.05 | % TFA | 0.40 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C17:1 (cis-10-Heptadecanoic) | 0.07 | % TFA | 0.60 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C18:0 (Stearic acid) | 2.67 | % TFA | 0.50-5.00 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C18:1 (Oleic acid) | 75.85 | % TFA | 55.00-83.00 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C18:2 (Linoleic acid) | 5.66 | % TFA | 2.50-21.00 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |

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- Certificate Number : 2246-20-01278-02

μ - Continuing from previous page

μ/ - Date of Reporting : 19/2/2020

| μ - Parameters | μ | Units | [**] | Method |
|-----------------------------------|--------|-------|-------------|---|
| | Result | | Limits [**] | |
| * C18:3 (Linolenic acid) | 0.80 | % TFA | 1.0 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C20:0 (Arachidic acid) | 0.48 | % TFA | 0.6 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C20:1 (Eicosenoic acid) | 0.30 | % TFA | 0.5 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C22:0 (Behenic acid) | 0.17 | % TFA | 0.2 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| * C24:0 (Lignoceric acid) | 0.08 | % TFA | 0.2 | Commission Regulation (EEC) 2568/91 (Annex X) & COI/T.20/Doc. No 33 as in force |
| μ trans (C18:2T) & trans (C18:3T) | 0.009 | % TFA | 0.05 | |
| μ trans | 0.017 | % TFA | 0.05 | |
| μ | 16.39 | % TFA | | |
| | 77.16 | % TFA | | |
| | 6.45 | % TFA | | |

[**] μ 2568/91 [**] Limits according to European Directive μ μ 2568/91 as in force concerning extra virgin olive oil.

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(Spantidaki Maria)

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(Chemist MSc - Technical Manager)

_____ μ 20-01278
- Reporting Limit (μ)
:

| | Reporting Limit (LOQ) | Limit of Detection (LOD) | (mg/kg) |
|--------------------|--------------------------|-----------------------------|-------------|
| Chlorpyrifos-ethyl | 0.01 | 0.003 | 0.001-0.003 |
| Cyhalothrin | 0.01 | 0.003 | 0.001-0.003 |
| Deltamethrin | 0.01 | 0.003 | 0.004 |

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