



UNIHER SA

Olive Oil Quality Control Laboratory

Physicochemical Testing Lab
Recognition type B/C 2018-19
Heraklion Ind. Area I Str, tel+30 2810301625, fax+30 2810301627
email: chem@uniher.gr , chem@crete-oil.gr

Olive Oil Sample Certificate of Analysis

Certificate No. 190222114712

Client: TITAKH ELIΣABET Αγ. Βαρβάρα Ηράκλειο **Tel:** 6976137468
Sampling On: 21/2/2019 **Info:** Eliama-Gold **Sampler:** Client
Received On: 22/2/2019 **Analysis End On:** 25/2/2019 **Categ:** Extra Virgin
Product: Olive Oil **Weight:** **Rec. Condition:** Normal
Comments:

| Parameters | Value | Limits | Reporting Limit |
|--|---------------|--------|-----------------|
| Free fatty acid | | | |
| Ident. Method: Annex II to regulation(eu) 2568/91 | | | |
| Free fatty acid % w/w | 0,28 % | <0,80 | 0,01% |
| Spect/tric analysis in U.V | | | |
| Ident. Method: Annex IX to regulation(eu) 2568/91 | | | |
| K270 | 0,15 | <0,22 | |
| K232 | 1,98 | <2,50 | |
| ΔK | -0,004 | <0,01 | |
| Peroxide Value | | | |
| Ident. Method: Annex III to regulation(eu) 2568/91 | | | |
| Peroxide Value | 5,9 meq O2/kg | <20 | 0,1 meq O2/kg |
| Tocopheroles (a tocopheroles std) | | | |
| Ident. Method: ISO 9936/2006 | | | |
| Total tocopheroles | 283,6 mg/kg | | 1 mg/kg |
| α-tocopherole | 277,0 mg/kg | | 1 mg/kg |
| β-tocopherole | 1,9 mg/kg | | 1 mg/kg |
| γ-tocopherole | 4,7 mg/kg | | 1 mg/kg |
| δ-tocopherole | < R.L. mg/kg | | 1 mg/kg |
| Pesticides Residues | | | |
| Ident. Method: In house multiresidue analysis GC-MS/MS (QuEChERS) | | | |
| Acrinathrin | < R.L. mg/kg | | 0,01 mg/kg |
| Alachlor | < R.L. mg/kg | | 0,01 mg/kg |
| Aldrin | < R.L. mg/kg | | 0,01 mg/kg |
| α-Endosulfan | < R.L. mg/kg | | 0,01 mg/kg |
| β-Endosulfan | < R.L. mg/kg | | 0,01 mg/kg |
| Endosulfan sulfate | < R.L. mg/kg | | 0,01 mg/kg |
| Atrazine | < R.L. mg/kg | | 0,01 mg/kg |
| Azinphos ethyl | < R.L. mg/kg | | 0,01 mg/kg |
| Azinphos methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Bromophos ethyl | < R.L. mg/kg | | 0,01 mg/kg |

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|-----------------------------|--------------|--------|-----------------|
| Bromophos methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Bromopropylate | < R.L. mg/kg | | 0,01 mg/kg |
| Buprofezin | < R.L. mg/kg | | 0,01 mg/kg |
| Cadusafos | < R.L. mg/kg | | 0,01 mg/kg |
| Chlorpyrifos ethyl | < R.L. mg/kg | <0,050 | 0,01 mg/kg |
| Chlorpyrifos methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Chlordane cis | < R.L. mg/kg | | 0,01 mg/kg |
| Chlordane trans | < R.L. mg/kg | | 0,01 mg/kg |
| beta cyfluthrin | < R.L. mg/kg | | 0,01 mg/kg |
| a-cypermethrin | < R.L. mg/kg | | 0,01 mg/kg |
| Cypermethrin (total isomer) | < R.L. mg/kg | | 0,01 mg/kg |
| Deltamethrin | < R.L. mg/kg | | 0,01 mg/kg |
| Diazinon | < R.L. mg/kg | | 0,01 mg/kg |
| Dieldrin | < R.L. mg/kg | | 0,01 mg/kg |
| Dichloran | < R.L. mg/kg | | 0,01 mg/kg |
| Dichlorvos | < R.L. mg/kg | | 0,01 mg/kg |
| Dicofol | < R.L. mg/kg | | 0,01 mg/kg |
| Dimethoate | < R.L. mg/kg | | 0,01 mg/kg |
| Endrin | < R.L. mg/kg | | 0,01 mg/kg |
| Ethion | < R.L. mg/kg | | 0,01 mg/kg |
| Ethoprophos | < R.L. mg/kg | | 0,01 mg/kg |
| Fenarimol | < R.L. mg/kg | | 0,01 mg/kg |
| Fenitrothion | < R.L. mg/kg | | 0,01 mg/kg |
| Fenthion | < R.L. mg/kg | <RL | 0,01 mg/kg |
| Fenvalerate-1 | < R.L. mg/kg | | 0,01 mg/kg |
| Fenvalerate-2 | < R.L. mg/kg | | 0,01 mg/kg |
| Heptachlor-endo-epoxide | < R.L. mg/kg | | 0,01 mg/kg |
| Heptachlor-exo-epoxide | < R.L. mg/kg | | 0,01 mg/kg |
| Iprodione | < R.L. mg/kg | | 0,01 mg/kg |
| Kresomix methyl | < R.L. mg/kg | | 0,01 mg/kg |
| λ-cyhalothrin | 0,010 mg/kg | | 0,01 mg/kg |
| Malaoxn | < R.L. mg/kg | | 0,01 mg/kg |
| Malathion | < R.L. mg/kg | | 0,01 mg/kg |
| Methamitophos | < R.L. mg/kg | | 0,01 mg/kg |
| Methidathion | < R.L. mg/kg | | 0,01 mg/kg |
| Methoxychlor | < R.L. mg/kg | | 0,01 mg/kg |
| Metolachlor | < R.L. mg/kg | | 0,01 mg/kg |
| Monocrotophos | < R.L. mg/kg | | 0,01 mg/kg |
| Omethoate | < R.L. mg/kg | | 0,01 mg/kg |
| Oxyfluorfen | < R.L. mg/kg | | 0,01 mg/kg |

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| Parameters | Value | Limits | Reporting Limit |
|--------------------|--------------|--------|-----------------|
| Parathion ethyl | < R.L. mg/kg | | 0,01 mg/kg |
| Parathion methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Paraoxon ethyl | < R.L. mg/kg | | 0,01 mg/kg |
| Paraoxon methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Pendimethalin | < R.L. mg/kg | | 0,01 mg/kg |
| Permethrin | < R.L. mg/kg | | 0,01 mg/kg |
| Phosphamidon | < R.L. mg/kg | | 0,01 mg/kg |
| Phorate | < R.L. mg/kg | | 0,01 mg/kg |
| Phosmet | < R.L. mg/kg | | 0,01 mg/kg |
| Piperonyl butoxide | < R.L. mg/kg | | 0,01 mg/kg |
| Pirimicarb | < R.L. mg/kg | | 0,01 mg/kg |
| Pirimiphos ethyl | < R.L. mg/kg | | 0,01 mg/kg |
| Pirimifos methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Procymidon | < R.L. mg/kg | | 0,01 mg/kg |
| Propachlor | < R.L. mg/kg | | 0,01 mg/kg |
| Propanil | < R.L. mg/kg | | 0,01 mg/kg |
| Propyzamide | < R.L. mg/kg | | 0,01 mg/kg |
| Pyrazophos | < R.L. mg/kg | | 0,01 mg/kg |
| Pyriproxyfen | < R.L. mg/kg | | 0,01 mg/kg |
| Quintozene | < R.L. mg/kg | | 0,01 mg/kg |
| Simazine | < R.L. mg/kg | | 0,01 mg/kg |
| Tebuconazole | < R.L. mg/kg | | 0,01 mg/kg |
| Tefluthrin | < R.L. mg/kr | | 0,01 mg/kg |
| Tolcofos methyl | < R.L. mg/kg | | 0,01 mg/kg |
| Triadimefon | < R.L. mg/kg | | 0,01 mg/kg |
| Triazophos | < R.L. mg/kg | | 0,01 mg/kg |
| Trifloxystrobin | < R.L. mg/kg | | 0,01 mg/kg |
| Trifluralin | < R.L. mg/kg | | 0,01 mg/kg |
| Vinclozolin | < R.L. mg/kg | | 0,01 mg/kg |

Phthalates

Ident. Method: Internal method, GC/MS

| | | | |
|-----------------------------------|--------------|----|-----------|
| Dibutyladipate (DBA) | < R.L. mg/kg | | 0,1 mg/kg |
| Dimethylphthalate (DMP) | < R.L. mg/kg | | 0,1 mg/kg |
| Diethylphthalate (DEP) | < R.L. mg/kg | | 0,1 mg/kg |
| Diisobutylphthalate (DIBP) | < R.L. mg/kr | | 0,1 mg/kg |
| Dibutylphthalate (DBP) | < R.L. mg/kg | | 0,1 mg/kg |
| Butylbenzylphthalate (BBP) | < R.L. mg/kg | | 0,1 mg/kg |
| Bis-2-ethylhexyl-phthalate (DEHP) | 0,36 mg/kg | <1 | 0,2 mg/kg |

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| Di-n-octylphthalate (DNOP) | < R.L. mg/kg | | 0,1 mg/kg |
| Diisononylphthalate (DINP) | < R.L. mg/kg | | 2 mg/kg |
| Diisodecylphthalate (DIDP) | < R.L. mg/kg | | 3 mg/kg |
| Bis-2-ethylhexyl-adipate (DEHA) | < R.L. mg/kg | | 0,1 mg/kg |

Results are for the given sample only. Copying of this certificate, except in full, is forbidden without explicit written permission by the lab.

R.L. : Reporting Limit.

The Chemist
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