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For the attention of:
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ANALYTICAL RESULTS REPORT

A. Method-Results

Determination of the bioactive content of one (1) extra virgin olive oil sample with sample code **HAD3**.

Sampling: The sampling was carried out by the client and the sample was delivered in the lab on on **24-12-2019**.

Method: Liquid chromatography coupled to high resolution mass spectrometry (quadrupole- time of flight mass analyzer).

Date of Analysis: From **10-01-2020** to **17-01-2020**.

B. Report of Analysis

Analyte	HAD3 (mg/kg)
10-Hydroxy decarboxymethyl oleuropein aglycone*	1.75
10-Hydroxy-10-Methyl oleuropein aglycone*	5.44
10-Hydroxyoleuropein aglycone*	0.32
1-Acetoxypinoresinol	19.6
Apigenin	1.83
Elenolic acid	7.78
Eriodictyol	1.15
Hydroxylated form of elenolic acid	0.04
Hydroxytyrosol*	1.48
Hydroxytyrosol acetate*	2.93
Ligstroside aglycone*	29.8
Luteolin	5.41
Methyl oleuropein aglycone*	0.37
Naringenin	0.16
Oleacein*	99.9

DOCUMENT ΤΑΑ-06-EN-3 Βα: REPORT OF ANALYSIS

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Oleocanthal*	80.1
Oleocanthalic acid*	8.23
Oleokoronal*	124
Oleomissional*	265
Oleuropein aglycone*	39.2
p-coumaric acid	0.25
Pinoresinol	2.71
Syringaresinol	0.63
Tyrosol*	1.54
Vanillin	0.36
Total Phenolic Content	660
Sum of Hydroxytyrosol, Tyrosol and Oleuropein derivatives*	700

C. Comments on results

The total content of hydroxytyrosol, tyrosol and oleuropein derivatives, as it is described by the EU 432/2012 legislation, is above 250 mg/kg (**660 mg/kg**) for the sample with sample code **HAD3**. Therefore, the sample belongs to the class of olive oils that protect LDL cholesterol from oxidation, maintaining high HDL levels and protecting from cardiovascular diseases (EFSA, 2012).

The Analyst

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The Scientific Coordinator

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