

ALNuMed GmbH, Am Aubach 5, 95448 Bayreuth

Dr. Engling und Siemers GbR Egelsee-Schlag 26 23911 Ziethen

Order Number: Sample: Customer Sample ID: Customer Information:	22-17-1 EVOO Olivenöl	ALNuMed-ID: 008397
Type of Analysis:	ALNuMed-EVOO-Screening by NMR (internal method): multi-parameter analysis (1.601) 🔀	
Sample Information: Arrived: Sample-taking: Packaging: Remark: Temperature at arrival:	Glass bot ca. 100 m	er (no details available) le with seal:
Sample Preparation: Protocol/SOP:	standard	preparation for edible oils (Regular Service)
Measurement: Date: Instrument: Parameter Set: Operator: Data Evaluation:	<i>Oil Stands</i> BZ NMR-Qua	7 D MHz Food-Screener (10106673) ard Measurement ntification EVOO Version1.0 e spectral analysis other othe
Analysis Result: Quantitiative results: C16:0 palmitic acid C18:1 oleic acid C18:3 linolenic acid Trans fatty acids Free fatty acids Qualitative analysis: Oleuropein/Ligstroside: Oleocanthal: Oxidative markers:	8,8 % 75 % 0,8 % 3,1 % 0,5 %	C18:0 stearic acid 6,5 % C18:2 linoleic acid 6,8 % iodine value 83 peroxide value 7,08 meqO2/kg K232 2,03 ++ ++ +++ no significant hint for oxidation

## Analysis Report

Continued on page 2.

## Comment/Interpretation:

Authenticity: According to screening results obtained and with respect to the information provided by the customer the sample investigated is judged as authentic

Sample shows no significant deviation from reference dataset (n = 166 commercial samples)

## **Explanatory Information:**

This report is valid only for the investigated samples with the sample IDs provided by the customer. Any accompanying information and/or documentation are part of this report and subject to the following conditions. Note that analytical results might be subject to expert interpretation. In particular, whether a sample is authentic or not can only be judged by considering all information available from the analysis conducted. In case statistical models are part of the analysis please note that no conclusions can be deduced for varieties, production methods, and/or geographic origns for which no model is available for the given matrix. Supplying information about variety, product type, and geographic origin facilitates interpretation of the results. Inconsistency of declared origin/variety with analysis results may be an indicator for adulteration (subject to expert interpretation). ALNuMed cannot be held responsible for deviations resulting from incomplete or wrong information about the sample.

Analysis was carried out according to industry standards. Sample preparation and measurements are performed by ALNuMed GmbH at its laboratory in Bayreuth unless services are provided by subcontractors, which is indicated. Data interpretation is performed by ALNuMed GmbH.

Interpretation of the data is conducted in accordance with industry standards, scientific literature as well as results from own research and data at our disposal. Where appropriate judgement is done with respect to legal references, which will be indicated in the report.

Abbreviations:

- n. a. = not available / not applicable
- n. d. = not determined <sup>U)</sup> indicating service carried out by a subcontractor.

<sup>aU)</sup> indicating service carried out by a subcontractor accredited for the method.

The analytical report (including any accompanying material and information) must not be published (in full or partial) without written permission by ALNuMed GmbH. This document may only be reproduced in full to prevent misinterpretation. Service has been carried out under the terms and conditions of ALNuMed GmbH.

Analysis Approved: 20/03/2017 MSc. (Laboratory Manager)

End of Analysis Report

SGF-Profiling<sup>™</sup> is a registered trade mark of Bruker BioSpin GmbH