



Ref	: 12 <sup>th</sup> UILI ILP 2016
Version	: 1.0
Date	: April 28, 2016
Pag.	: 1/7

# INSTRUCTION SHEET

April 28, 2016

## 1. Name of the proficiency test

### 12<sup>th</sup> UILI Interlaboratory Practice 2016

**“Waxes, Free Acidity, Peroxide Value, UV Spectrophotometric Test,  
Fatty Acid Methyl Esters and Stigmastadienes in Virgin Olive Oil”**

**Aimed as a global exercise for laboratories in different countries of the world**

## 2. Provider

Union Internationale des Laboratoires Indépendants (UILI), ILP Committee.

## 3. Time schedule

- a) Deadline of application: End - May, 2016
- b) Distribution of test samples: End - June, 2016
- c) Deadline of reporting: August 31, 2016
- d) Issue of final report: December, 2016

[NOTE]

- No reports, including resubmitting, after due date are accepted.
- Date of sample distribution differs among participants according to application date and shipping condition.

## 4. Method of participation

Send E-mail to Mrs. Melissa Fernández Valero (UILI secretary)

E-mail: [secretariat@uili.org](mailto:secretariat@uili.org) or register on the UILI website [www.uili.org](http://www.uili.org).

Please use the Appendix “**participant contact details**” form attached or include always the following information in your e-mail:

### ILP Number / Name

**Participant:** Company name, Contact person, Subscriber e-mail, Phone

**Sample delivery:** Company name, House name, Street, House number, P.O. Box, Section, Postal code, City, State, Country

**Invoicing:** Company name, VAT / Tax ID / NIF / CIF number, Contact person, Invoice e-mail

**Reporting:** Contact person, Report e-mail



INSTRUCTION SHEET

Ref	: 12 <sup>th</sup> UILI ILP 2016
Version	: 1.0
Date	: April 28, 2016
Pag.	: 2/7

## 5. Participation fee

a) Participation fee

UILI Member : € 200.00 (for 1 set, not for 1 bottle)  
UILI Non-Member : € 300.00 (for 1 set, not for 1 bottle)

b) Method of payment

Invoice will be sent to you by e-mail after your application is completed.

Payments should be made to our bank account at:

DEN DANSKE BANK - BIC: DABADKKK - IBAN: DK2130004180668861

c) Participation fee includes:

- 1) Testing samples
- 2) Shipping charge for samples
- 3) Final report (electronic media; issued by UILI)
- 4) Certificate / diploma

## 6. Samples for analysis

a) Name of test sample (printed on each label)

- 1) Sample 1: UILI-ILP 12-2016 olive oil-1

b) Container of testing sample et al.

200 mL of sample is contained in 200 mL volume dark glass bottle.



INSTRUCTION SHEET

Ref	: 12 <sup>th</sup> UILI ILP 2016
Version	: 1.0
Date	: April 28, 2016
Pag.	: 3/7

## 7. Target compounds for analysis

- a) Waxes, Free Acidity, Peroxide Value, UV Spectrophotometric Test (K270/K268, K232 and Delta K), Fatty Acid Methyl Esters (lauric acid, myristic acid, palmitic acid, palmitoleic acid, heptadecanoic acid, heptadecenoic acid, stearic acid, oleic acid, linoleic acid, linolenic acid, arachidic acid, gadoleic acid (eicosenoic), behenic acid, lignoceric acid) and Stigmastadienes (21 items).

Waxes	Free Acidity	Peroxide Value
K270/K268, K232 and Delta K	Fatty Acid Methyl Esters	Stigmastadienes

- b) Expected concentration range - Not applicable
- c) Samples have no "Assigned Value" such as "Reference Value" and/or "Certified Value" related for "True Value".

INSTRUCTION SHEET

Ref	: 12 <sup>th</sup> UILI ILP 2016
Version	: 1.0
Date	: April 28, 2016
Pag.	: 4/7

### 8. Analytical procedure

Pretreatment and analytical method is not designated in the test. Participating laboratories are to select from the Appendix “**Methods for pre-treatment and instrumental measurement**”, and should indicate the number in the reporting sheet for each target ion.

#### Methods for pre-treatment and instrumental measurement

##### (A) Pre-treatment

No.	Method	Abbreviation
1	Non pre-treatment	NON
2	Others	Others

##### (B) Measurement by Instrument

No.	Instrument	Abbreviation
1	Gas Chromatography	GC
2	Spectrophotometry	S
3	Titration – glass burette	Tit-GB
4	Titration – automatic burette	Tit-AB
5	Others	Others

## INSTRUCTION SHEET

Ref	: 12 <sup>th</sup> UILI ILP 2016
Version	: 1.0
Date	: April 28, 2016
Pag.	: 5/7

### 9. Reporting analytical results

- a) Independent analyses are requested to be carried out twice from sample preparation including weighing. Report the “mean value” of these 2 data (Original data before the calculation of “mean value”, nor statistical values such as “standard deviation” are needed). If you cannot analyze twice (e.g. in case of sample lack), reporting one data is acceptable.
- b) Report a data set of Sample 1. The data is requested to be rounded in 3 significant figures.
- c) A “non-full set result” is acceptable (e.g. In case that your laboratory prefers to report only “waxes”, report only the result of “waxes”).
- d) Method of Reporting
  - i. Participants are requested to indicate method No. indicated in Appendix “**Methods for pre-treatment and instrumental measurement**” for both “Pre-treatment” and “Measurement by Instrument” referring to table (A) and (B), for Sample 1.
  - ii. Participant who selects pretreatment method as “others” should indicate the method name in column “notes”. In the case “others” were selected and “notes” were left blank, UILI will require resubmitting of the report.
  - iii. Use unit specified in the reporting data “Results of Analysis for 12<sup>th</sup> UILI-ILP”.
  - iv. Data reporting/resubmitting is requested to use format “Result of Analysis for 10th UILI-ILP”. Reporting in different format is unacceptable. In the case non-UILI format is submitted, UILI will require resubmitting of the report.
- e) Send the report/resubmitting report to [secretariat@uili.org](mailto:secretariat@uili.org) (Mrs. Melissa M. Fernández Valero, UILI Secretariat) by August 31, 2016. Reports after due date are unacceptable.





INSTRUCTION SHEET

Ref	: 12 <sup>th</sup> UILI ILP 2016
Version	: 1.0
Date	: April 28, 2016
Pag.	: 6/7

## 10. Issue of the final report by UILI

- a) Final report will be issued on December 2016.
- b) Final report will be issued in electronic media.
- c) Final report includes statistical analysis following standards below.
  - i. z-score: by ISO/IEC 17043 and related standards
  - ii. Quartile Method (robust statistics method): by APLAC "T002"
- d) As far as analytical method is not designated for this test and median value is not always equal to "true value", evaluation by statistic will be inadequate.
- e) A list of participating laboratories will be included in the report with each result followed by "laboratory identification numbers". Relationship between these numbers and laboratory names will not be indicated in the report. Your identification number will be informed in the letter, separated with the report.

## 11. Others

- a) The test or test results (final report) is not aimed to evaluate the performance of the laboratories or relating personnel by the test organizer nor third person.
- b) Participant will be issued a Certificate by UILI for its participation.
- c) This document is not the final version until sample distribution. We encourage applicants to check the latest version.

## UILI ILP Committee Members

UILI position	Name	Representing country	Member Association
President	Drs. Luc H A Scholtis	The Netherlands	Vereniging van Raadgevend Scheikundige Laboratoria (VRS)
Past President	Dr. Manahén Fernandez-Alonso	Spain	
Vice President	Dr. Alvaro Silva Ribeiro	Portugal	Associação de Laboratórios Acreditados de Portugal (RELACRE)
Vice President	Mr. Jorge Oliver-Rodés	Spain	Asociación Española de Laboratorios Independientes (AELI)
Treasurer	Dr. Toru Matsumura	Japan	Japan Environmental Measurement and Chemical Analysis Association (JEMCA)
Secretary General	Ms. Mary-Anne Adeeko	Nigeria	Institute of Public Analysts of Nigeria (IPAN)
Unaffiliated Representative S-Hemisphere	Dr. Alfredo Montes-Nino	Brazil	
Unaffiliated Representative N-Hemisphere	Ir. Jan Soers	Belgium	
Governing Board Representative	Mr. Gib G McIntee	Canada	Canadian Council of Independent Laboratories (CCIL)
Governing Board Representative	Dr. J. Horacio Denari	Argentina	Cámara Argentina de Laboratorios Independientes Bromatológicos, Ambientales y Afines (CALIBA)
Governing Board Alternate	Drs. J. H. F. van der Wart	The Netherlands	Vereniging van Raadgevend Scheikundige Laboratoria (VRS)
Governing Board Alternate	Mr. Masahiro Tanaka	Japan	Japan Environmental Measurement and Chemical Analysis Association (JEMCA)
Honorary Member	Dr. Hideo Tabata	Japan	Japan Environmental Measurement and Chemical Analysis Association (JEMCA)
Secretary	Ms. Melissa M. Fernández Valero	Spain	