



**Dear Colleagues!**

It is our pleasure to invite you to participate in the **edible oil parameters intercomparison measurement EstOil-5**. The intercomparison measurement will be organized jointly by University of Tartu Testing Centre (below UT) and Werol Tehased Ltd (below WT).

The aim of the intercomparison is to allow the participants to assess their performance in determining the following edible oil parameters:

1. **Moisture content** (by Karl Fischer titration) in refined rapeseed oil
2. **Free fatty acids content** in refined rapeseed oil
3. **Peroxide value** in refined rapeseed oil (with added antioxidant)
4. **Phosphorus content** in crude rapeseed oil
5. **Saponification value** in refined rapeseed oil
6. **Total Beta-Sitosterol content** in refined rapeseed oil
7. **Erucic acid content** in refined rapeseed oil

The samples will be prepared and distributed by WT. There will be altogether three samples: refined rapeseed oil (for determination of parameters 1, 2, 5, 6 and 7), refined rapeseed oil with an antioxidant (for determination of parameter 3) and crude rapeseed oil (for determination of parameter 4). The samples will come in dark glass bottles. The determination of peroxide value has to be carried out within three weeks from the date of sending out the samples (the exact date will be given in the documentation accompanying the samples).

The evaluation of participant data will be done at UT according to the ISO Guide 43-1 and ISO 13528:2005. The consensus values will be deduced from the participant and organizer data after rejection of possible outliers.

The Final report will be compiled jointly by UT and WT and will be made public (on the website of UT). The participants will be listed in the final report but the results will be presented in random order, so that the results cannot be traced back to the participants. Every participant will receive a private letter revealing his/her result number and permitting assessment of performance. The reports of the similar intercomparisons carried out in 2005, 2006, 2007 and 2008 (EstOil-1, -2, -3 and -4) are available at <http://www.ut.ee/katsekoda/ILC/> for reference.

There are two important differences from the previous years:

1. There is now participation fee of 20 EUR per parameter.
2. The registration data have to be sent to Werol Tehased Ltd (see the contact information below).

If you are interested in participation, please fill in the attached form and send it to the organizers by e-mail (preferred), fax or post mail (see the form for details). **The deadline for registration is March 27, 2009.**

You are welcome to forward this letter to your colleagues who might be interested to join and encourage them to contact the organizers if they are interested to participate. We will do our best to admit all interested laboratories to the interlaboratory comparison.

**The samples will be sent out in the first half of April 2009. The deadline for presentation of the results by the participants is May 8, 2009.**

With all the best wishes

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## Registration Form for EstOil-5

Name of the laboratory: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
Country: \_\_\_\_\_  
Postal Code: \_\_\_\_\_  
VAT Number \_\_\_\_\_  
Executive in charge: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_

**Yes, we are interested to participate in the edible oil interlaboratory comparison measurements EstOil-5.**

|                      |                      |          | Price for participation<br>(EUR) |
|----------------------|----------------------|----------|----------------------------------|
| We plan to determine | Moisture             | Yes / No | 20                               |
|                      | Free Fatty Acids     | Yes / No | 20                               |
|                      | Peroxide value       | Yes / No | 20                               |
|                      | Phosphorus           | Yes / No | 20                               |
|                      | Saponification value | Yes / No | 20                               |
|                      | Beta-Sitosterol      | Yes / No | 20                               |
|                      | Erucic acid          | Yes / No | 20                               |

Total participation cost ..... EUR

*(please underline or circle the appropriate ones and write the total participation cost)*

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please send the filled form to the organizers by e-mail (preferred), fax or regular mail:  
**Tiina Kukk**

**Werol Tehased Ltd**  
**Painküla 48422, Jõgevamaa, Painküla, Estonia**  
**Phone: +372 77 68233**  
**Fax: +372 77 68 220**  
**E-mail: [tiina.kukk@peregrupp.ee](mailto:tiina.kukk@peregrupp.ee)**

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