

## Proficiency Testing Group

proficiency testing provider no. 7014 accredited by ČIA  
in accordance with ČSN EN ISO/IEC 17043:2010

### Information on proficiency testing programme: interlaboratory comparison of solid fossil fuels in 2017

Dear employees of testing laboratories,

We would like to invite you to our proficiency testing programmes (ZZ) designed as interlaboratory comparison. The proficiency testing programmes ZZ are focused on testing laboratories performing solid fossil fuel tests, eg, brown coal (HU) and black coal (ČU).

Proficiency Testing Group is a proficiency testing provider no. 7014 accredited by ČIA in accordance with ČSN EN ISO/IEC 17043:2010. Testing laboratories now have unique opportunity to participate in accredited proficiency testing programme run by local provider and follow the recommendation of ČIA to preferably take advantage of the proficiency testing programmes in compliance with ČSN EN ISO/IEC 17043 organized by provider who proved the compliance by accreditation.

The proficiency testing provided and organized by Proficiency Testing Group (SZZ), ORGREZ, a.s., represents interlaboratory comparison used for determination of laboratory performance – starting with identification of possible difficulties. Determination of comparability or differences within laboratories, providing higher trustworthy to the laboratory results, through education of employees in the laboratory and ending with validation of declared uncertainty of the measurement. The goal of interlaboratory comparison is to prove proficiency of accredited and non-accredited laboratories including verification of the used uncertainties of measurements.

### Proficiency testing programmes

SZZ ORGREZ, a.s. organizes in 2017 following accredited programmes ZZ:

no.	Type	Field	Programme	Cycle	Name
1	Interlaboratory comparison	Solid fossil fuels (coal)	General analysis – determination of ash content, sulphur content, calorific value, carbon content, hydrogen content, nitrogen content and volatile matters	2017	ZZ/UHLI/A,S,Q,C,H,N,V/2017

The design of the programmes of proficiency testing ZZ in Proficiency Testing Group SZZ ORGREZ, a.s. is based on ČSN EN ISO/IEC 17 043 (01 5264) Conformity assessment – General requirements for proficiency testing.

### Tested entries

Tested entries will be set of six analytic samples of solid fossil fuels, 4x brown coal and 2x black coal. These samples will be prepared in accredited testing laboratory. Specified share of samples from each set of samples will be verified for homogeneity. Samples with noncompliance for homogeneity will not be approved for proficiency testing. After finishing testing by PT participants stability will be verified for randomly selected sets of samples. The analyses for homogeneity and stability will be performed in accredited testing laboratory.

The samples will be distributed via postal service together with detailed instructions and forms for test results. In case of not receiving samples in time according to the schedule, please contact the proficiency testing provider. The samples will be named with unique numeric codes to prevent unfair cooperation or result falsification. Participants can use any method which is normally used in their laboratories. Separate evaluation of results by methods is possible provided there are enough results/participants. Methods will be commented otherwise.

It is not obligatory to measure all characteristics analysed in the programme.

## Applications

The only criterion for taking part is to send a complete application and deliver results within the deadline. Please send the signed application and results to the Proficiency Testing Group in Most (SZZ address) or send an email to coordinator.

The application to the proficiency testing programme can be found in the attachment or on the website: <http://www.orgrez.cz/en/services/proficiency-testing/>.

The price for taking part in the proficiency testing programme ZZ/UHLI/A,S,Q,C,H,N,V/2017 is € 539,- without VAT. The price also includes a set of reference material with weight cca 50 g. The price for additional reference material is € 22,- without VAT per sample. The participant will pay the fee to the provider after receiving invoice, which will be sent together with final report on proficiency testing.

### Bank account data:

Raiffeisenbank a.s. Hvězdova 1716/2b, 140 78 Praha 4

CZK account: 5014033535/5500  
IBAN CZ2655000000005014033535

EUR account: 5014033543/5500  
IBAN CZ0455000000005014033543

## Time schedule

Registration of participants:		to: 26. 2. 2017
Sample preparation:	from: 27. 2. 2017	to: 2. 4. 2017
Sample distribution:	from: 3. 4. 2017	to: 16. 4. 2017
Testing:	from: 17. 4. 2017	to: 14. 5. 2017
Delivery of results:		to: 14. 5. 2017
Statistic data analysis:	from: 15. 5. 2017	to: 25. 6. 2017
Distribution of final results:	from: 26. 6. 2017	to: 9. 7. 2017
Comments, appeals:	from: 10. 7. 2017	to: 23. 7. 2017

## Evaluation

Statistical methods (particularly z-score for) will be used for evaluation of the laboratory performance in accordance with requirements ČSN EN ISO/IEC 17 043 The results will be included in the summarizing final report. They will be presented with code numbers given to the individual participants. The codes of the

individual participants are secret, every participant knows only its own number. The will keep the privacy of the results.

## Proficiency testing results

The results will be included in the summarizing final report. They will be presented with code numbers given to the individual participants. The code of the individual participants are secret, every participant knows only its own number. The will keep the privacy of the results.

Besides this every participant will receive Certificate on participation in the proficiency testing programme and identification of its code.

The participants not coming from the Czech Republic will receive necessary instructions, forms and summarising final report and certificate on participation in English.

Wishing you successful cooperation on behalf of the Proficiency Testing Group

**Mgr. Jan Pomahač** – Head of the Proficiency Testing Group  
**Bc. Bohuslava Kroupová** - Coordinator of the Proficiency Testing Group  
**Ing. Štěpán Klimeš** – Quality manager of the Proficiency Testing Group

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