METROLOGY SERVICE

Director
Metrology service Ltd.

Bozhko Nataliia
April 30th 2018

PROFICIENCY TESTING PT.UA.1.6.2017

GRAIN AND OILSEEDS (GMO)

PROFICIENCY TESTING PROGRAMME – ROUND 2(ENG)

Kyiv-2018

1. INTRODUCTION

Given the key role of reliable test results that are needed during world trade and agriculture in general, requirements for the competence of laboratories that perform such tests should be confirmed.

The purpose of proficiency testing in GMO testing is to determine the characteristics of the operation (as described in ISO\IEC 17043 [1]) and improve the reliability of test results.

This proficiency testing involves the use of inter-laboratory comparisons to confirm the performance of individual laboratories' abilities and/or identify areas of improvement.

The functioning management system Metrology service Ltd. (further - Provider) complies with ISO\IEC 17043:2010[1] requirements and covers all aspects of proficiency testing (further - PT) for all proficiency tests

2. DESCRIPTION

2.1. PARTICIPATION

2.1.1. Minimum methods for participation. Any organization, providing testing by at least one of methods in clause 2.2 may participate in this voluntary Program.

2.1.2. Participant may provide results for all the methods according to clause 2.2.

2.1.3. Metrology service Ltd. assigns a unique identification number to each participant that is confidential and reported only to this participant.

2.1.4. Participation fee for participants from Ukraine is 4 200.00 UAH without paying VAT. Participation fee for participants from outside of Ukraine is 180.00 USD.

2.2. METHODS

Participants can provide test results for the following methods:

	Parameter	Method
	Detection of Taxons specific	PCR
1.	Maize	PCR
2.	Soybean	PCR
3.	Rapeseeds	PCR
	Screening (Qualitative analysis) of GM-elements	
4.	35 S Promotor	PCR
5.	NOS Terminator	PCR
6.	FMV Promotor	PCR
7.	BAR-gene	PCR
8.	PAT-gene	PCR
9.	GOX-gene	PCR
10.	CP4EPSPS-gene	PCR

	Detection of soya GM-events	
11.	MON-Ø4Ø32-6 Roundup Ready® Soybean	PCR
	Quantification of GMO	
12.	GMO amount quantified by CaMV 35s promotor, %	PCR

2.3. SAMPLES

Metrology service Ltd. is using a validated procedure and appropriate technical experts and contractors for the selection, production, homogenization and division designs that is satisfactory for the purposes of this program. Tests, that are required to prove homogeneity and stability of samples are performed by competent contractors according to [3-7].

Metrology service Ltd .will send appropriately identified and packaged sample together with task sheet form for testing and reporting results via courier delivery service of Nova Poshta LLC or other delivery service chosen by participant.

Ground corn sample is used in round 2 in an amount of approximately 5 g, two samples for each participant.

2.4. SCHEME AND SCHEDULE

2.4.1. This proficiency testing program is a simultaneous participation schemes according to A.3 of appendix A ISO\IEC 17043[1]. Selected samples, prepared according to clause 2.3, from a source of material being distributed simultaneously to participants for concurrent testing. After completion of the testing, the results are returned to Metrology service Ltd. Task sheet form for testing and reporting results is distributed with the sample according to clause 2.3. Metrology use statistical methods to analyze results and provide report according to clause.2.5.

2.4.2. Round 2 schedule.

Participants registration	**till 13-00 EET 28.09.2018**
Sample shipment	**01.10.2018**
Reporting results for participants	**till 13-00 EET 15.10.2018**
Report publication	**till 26.10.2018**

2.5. REPORT AND PROCESSING RESULTS

2.5.1. Metrology service Ltd. processes and analyses results according to [1-5].

2.5.2. Metrology service Ltd. publishes the Proficiency testing report according to [1].

2.5.3. Proficiency testing report will be published in two languages – English and Ukrainian. Basic (reference) language is English.

2.5.4. Metrology service Ltd. will use traditional z-index for performance assessment.

3. PARTICIPANT INFORMATION

Participants must provide the following information by **e-mail in any form**:

1. Full name (English and/or Ukrainian), Bank details, address, registration number, detail of person, who will sign a contract;

2. Full name and address of laboratory (testing facility) if it is not equal to clause 1;

3. Address of shipment of samples or Nova Poshta LLC department number (with the choice of shipment type);

4. Participant contact person full name;

5. Contact telephone number (e.g. mobile) and e-mail address of the participant contact person.

4. PROVIDER CONTACTS AND PROGRAM MANAGER

Metrology service Ltd., Ukraine, 03022, Kyiv, 45 Vasilkivska st., office 403.
Nataliia Bozhko
e-mail: smetrology@gmail.com
tel.: +38(044)500-66-23
cell: +38(067)458-26-81

5. NORMATIVE REFERENCE

1. ISO/IEC 17043:2010 Conformity assessment -- General requirements for proficiency testing
2. ISO 13528:2015 Statistical methods for use in proficiency testing by interlaboratory comparisons
3. FOOD ANALYSIS PERFORMANCE ASSESSMENT SCHEME (FAPAS). Protocol for the organization and analysis of data, sixth edition, 2002
4. Fearn, T. and Thompson, M, A new test for 'sufficient homogeneity', Analyst, 2001, 126, 1414-1417
5. ISO Guide 35:2006 Reference materials -- General and statistical principles for certification
6. ILAC Discussion Paper on Homogeneity and Stability Testing, April 2008.