



CONTENT

Evolution of our Environment Proficiency Testing	p.1
Best Wishes	p.1
2014 General Assembly	p.1
New PT « 72 - Flour: Mixolab Standard protocol »	p.2
Discount on ERM samples	p.2
Come to visit us !	p.2
New Member Area	p.2
Mass per hectolitre	p.3
Quality news	p.4

EVOLUTION OF OUR ENVIRONMENT PROFICIENCY TESTING

BIPEA offers nowadays more than **30 proficiency testing programs in Environment**, (including water, soil, sludge and sediment), for **physico-chemical and microbiological parameters**. We also offer External Reference Materials in physico-chemistry for some criteria.

International and complete PT programs

Our **international PT programs** gather laboratories from over 30 countries. The main interests of our ring tests are first to compare your results at an international scale and then to prove the efficiency of your lab in the long term: **it is very important to prove to your customers and accreditation bodies that your results are accurate regularly and not only at a single round.**

You, as a member, play a crucial role in our evolution

BIPEA is a non profit organization with a principal aim: **the harmonization of laboratories' analytical accuracy**. In this context, we are a scientific body composed with permanent technical staff, at your disposal.

Every year, we organize Technical Committees, **which are meetings where laboratories and BIPEA staff discuss possible improvements for the PT programs**: nature of the samples, shipments frequency, calculation of the assigned value, criteria requested on the matrices, analysis methods, etc. These meetings are thus a major forum for exchanging technical and scientific information. You can easily suggest improvements for the PT Program.

PT programs designed as close as possible to your routine analysis

We offer interlaboratory comparison tests on **real matrices** (waste waters collected at inlet and outlet of a plant's water treatment, sediments in a river or sea, etc). **We design our tests taking into account the reality in laboratories when you receive samples from your final customer** (no repetition or specific treatment with Bipea samples). This approach is very important to validate the analytical ability but also to save money: for a laboratory, PT's cost includes registration fee for PT programs but also the cost related to the number of analyses requested for each criterion (in each round).

BIPEA offers you:

- ▶ A good quality/price ratio; retention rate of 96%,
- ▶ A wide range of matrices and parameters,
- ▶ New PT programs regularly,
- ▶ Robust assigned value with a high number of participants.

Take part in our PTS is a guarantee of quality.

BEST WISHES

*Bipea Team wishes
you all the best
for 2015*

2014 GENERAL ASSEMBLY

BIPEA General Assembly held on December 4, 2014 on the premises of Eurosites La Chapelle in Paris (75018).

During this day, the reports covering the financial activities and the auditor's reports were presented to the attending members.

Two interventions were also held on allergens:

- **Determination of allergens: perspectives** by Mr. Tranquet (INRA Nantes)

- **Consumer information on allergens used in unpackaged food** by Mr. Bertrand (DGCCRF Paris).

We ended this day with a tour of our new premises in Paris.

NEW PROFICIENCY TESTING « 72 - FLOUR: MIXOLAB STANDARD PROTOCOL »

We are pleased to launch a new interlaboratory comparisons programs in milling: « **72 - Flour: Mixolab Standard Protocol** ».

This program will be composed with 5 rounds. The technical details is mentioned below:

- ▶ Schedule: **5 rounds from February to June 2015**
- ▶ Matrices: **Flour with different quality** (250g per sample)
- ▶ Criteria: **Torque, time and temperature at step C1, C2, C3, C4 and C5**
- ▶ Method: **Standard Protocol "Chopin+"**
- ▶ Time for analysis: **1 month.**

If you want to join this program or to receive a personalized quote, please contact our sales department:

By phone: +33.1.40.05.26.42

by email: shellali@bipea.org.

SPECIAL OFFER ON ERM SAMPLES

Two offers were launched on January 2015 concerning ERM samples on a wide range of matrices and parameters.

Those offers concern **Pesticides and Feed samples**.

We are pleased to grant you a **10% discount for 5 samples and 20% discount as from 10 samples**.

The file containing the available stock was sent to you by email. So go ahead and take advantage of our discounts for ordering samples mentioned on this file.

This offer is available until the 31st of January 2015.

For more information, please feel free to contact us: shellali@bipea.org.

COME TO VISIT US !

As part of our international development, we regularly participate in exhibitions / workshops in analytical fields.

We will be present in the following exhibitions:

- ▶ **Pittcon** New Orleans (USA) from 8 to 12 March 2015
- ▶ **Americana** Montreal (Canada) from 17 to 19 March 2015
- ▶ **Arablab** Dubai (EAU) from 23 to 26 March 2015
- ▶ **Forum Labo** Paris (France) from 31 March to 2 April 2015
- ▶ **Korea Lab** Seoul (South Korea) from 21 to 24 April 2015

Our presence at these events increase the number of participants. It enables us to strengthen our presence abroad and to increase trust in our PT schemes.

This is also an opportunity to discuss with the laboratories about their needs and answer the requests of our members.

We will be happy to see you there!



NEW MEMBER AREA COMING SOON !

Your new member area is soon available.

This new platform has been developed to meet your needs especially for **the reception of your results**. In addition to receiving final reports by email, you will have access to your **personalized results online**. You can thus **export them directly to an Excel format** from your member area, in order to facilitate your in-house treatment.

This space will allow you to **access the schedules** of all proficiency tests offered by BIPEA to plan your internal organization.

Finally, thanks to this new area, you will have the opportunity to **consult the stock of our ERMs** and to be provided with additional testing samples if necessary and without sending a prior request to our sales team. **So you can directly send your order and it will be shipped the next day.**

The member area is currently undergoing tests by a group of laboratories (BIPEA members).

We will inform you of its launch for all of our members, as soon as possible.

TRACEABILITY OF MASS PER HECTOLITRE'S MEASURING INSTRUMENTS

To comply with the NF EN 7971-3 standard, users must establish the traceability of their Mass per Hectolitre's measuring instruments, to an international standard device.

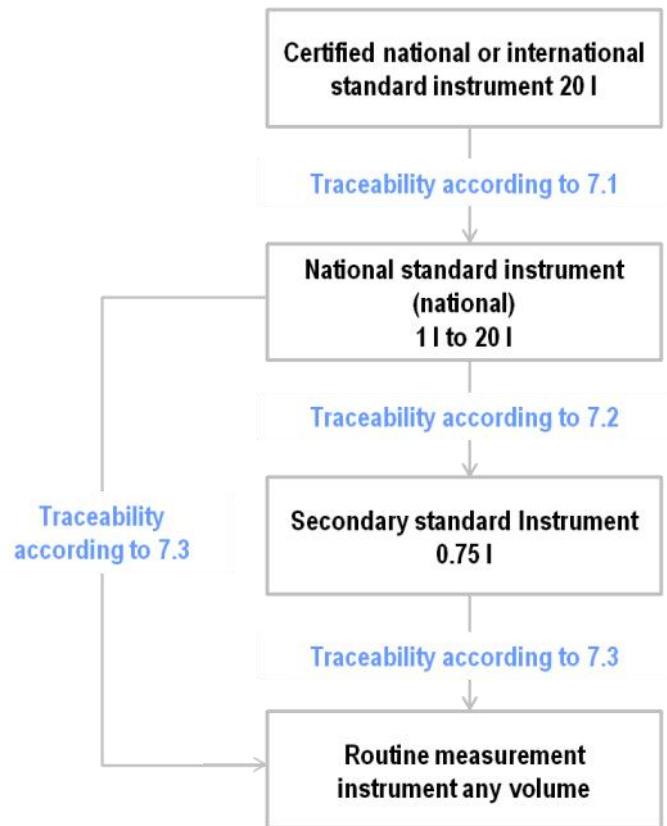
Bipea has the national standard Nilemalitre « France » which is traceable to the international standard device.

In this case and in order to establish the traceability of your devices for the determination of the mass per hectolitre (according to item 7.3 of the EN ISO 7971-2 standard), we offer sets of four samples.

The reference values of these samples and the associated uncertainty have been determined with the national standard Nilemalitre.

A new set of samples was manufactured this year and is available to all BIPEA members.

Please note that the standards EN ISO 7971-2 and -3 are currently under revision. Proposals for changes have been discussed at the ISO/TC 34, which was held on 5 and 6 November 2014, in Portugal.



Principle of instrument traceability to standards

Below, you will find two examples (values in kg/hl) for the establishment of a device traceability:

INSTRUMENT 1	MEASUREMENT 1	65,1	71,4	77,0	82,2
	MEASUREMENT 2	65,1	71,4	77,1	82,2
	AVERAGE	65,10	71,40	77,05	82,20
	REFERENCE	65,03	71,68	77,22	82,37
	DIFFERENCE	-0,07	-0,28	-0,17	-0,17
	MAXIMAL BIAS	0,30	0,40	0,40	0,40

All bias are less than the requirements of ISO 7971-2 standard. The instrument 1 can be declared traceable to the national standard device. The instrument has however a slight negative bias, -0.19 kg / hl on average.

INSTRUMENT 2	MEASUREMENT 1	65,7	72,1	77,6	82,9
	MEASUREMENT 2	65,5	72,0	77,6	83,0
	AVERAGE	65,6	72,05	77,6	82,95
	REFERENCE	65,03	71,68	77,22	82,37
	DIFFERENCE	0,57	0,37	0,38	0,58
	MAXIMAL BIAS	0,30	0,40	0,40	0,40

The instrument 2 has a mean bias of 0.47 kg / hl and two of the four biases are greater than the allowed specifications. The device is declared non-compliant and must be adjusted to be used in accordance with the standard.

For any further information, please contact our sales department: sales@bipea.org.

QUALITY NEWS

Quality is an ever-evolving matter. Please find below a summary of progress in standardization over recent months, based on publication in the official standards update of the AFNOR magazine Enjeux N°349, 350. The different standards are classified according to the concerned PTS, but should not be considered as exhaustive.

WATERS

ISO 16308:2014 IS Sept. 2014

Water quality — Determination of glyphosate and AMPA — Method using high performance liquid chromatography (HPLC) with tandem mass spectrometric detection.

PR NF ISO 13167 . Nov. 2014

Water Quality - Plutonium, Americium, Curium And Neptunium - Test Method Using Alpha Spectrometry;

PR NF EN ISO 7027-1 . Dec. 2014

Water quality - Determination of turbidity - Part 1: Quantitative methods (ISO/DIS 7027-1:2014);

SOILS

NF ISO 14388-3 HOM Oct. 2014

Soil quality — Acid-base accounting procedure for acid sulfate soils — Part 3: Suspension peroxide oxidation combined acidity and sulfur (SPOCAS) methodology;

XP CEN ISO/TS 29843-2 EXP Oct. 2014

Soil quality - Determination of soil microbial diversity - Part 2 : method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method - Qualité du sol - Détermination de la diversité microbienne du sol - Partie 2 : méthode par analyse des acides gras phospholipidiques (PLFA) en utilisant la méthode simple d'extraction des PLFA.

FOOD

ISO/TS 17758:2014 TS June 2014

Instant dried milk — Determination of the dispersibility and wettability

ISO/TS 17383:2014 TS Sept. 2014

Determination of the triacylglycerol composition of fats and oils — Determination by capillary gas chromatography;

ISO 18301:2014 IS Sept. 2014

Animal and vegetable fats and oils — Determination of conventional mass per volume (litre weight in air) — Oscillating U-tube method;

ISO 12228-2:2014 IS Oct. 2014

Determination of individual and total sterols contents — Gas chromatographic method — Part 2: Olive oils and olive pomace oils

PR NF V45-071 . Dec. 2014

Processed products from fishery and aquaculture - Traditionally prepared canned sardines - Specifications - Produits transformés issus de la pêche et de l'aquaculture - Conserves de sardines préparées à l'ancienne - Spécifications.

BIPEA

Provider of Proficiency testing programs in physical, chemical and microbiological domain since 1970
(grains, milling, feed, waters, soils, beverages, food, sunscreen)

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