PROFICIENCY TESTING PROGRAMS

Feed

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<th>A13</th>
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<td>Premix</td>
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</tbody>
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A = PTS accredited by COFRAC

Bipea is a versatile Proficiency Testing Schemes organizer which gathers laboratories from 70 countries
### GENERAL INFORMATION:
- Proficiency Testing Scheme created in 1972
- 140 participants in average from 27 different countries
- This PTS is accredited by COFRAC
- 10 rounds per annual series (September, October, November, December, January, February, March, April, May, June)
- 2 to 3 samples of 300 to 750 g per distribution ie 22 samples.

### RAW MATERIALS
- Barley
- Bran
- Beet pulp
- Corn
- Corn draff
- Corn gluten feed
- Dehydrated alfalfa
- Expeller rapeseed cake
- Horse beans
- Linseeds
- Peas
- Peanut cake
- Rapeseed
- Rapeseed cake
- Soybeans
- Sunflower cake
- Sunflower grain
- Soybean cake
- Triticale
- Wheat.

### FEED
- Cat food
- Dog food
- Feed for dairy cows
- Feed for turkey
- Feed for piglet
- Feed for laying hen
- Feed for chicken
- Feed for rabbit
- Feed for fish
- Feed for sow
- Fish meal
- Growth food for pig
- Milk substitute
- Poultry meal
- Premix
- Nitrogen corrector.

### NATURE OF SAMPLES

### MAIN PARAMETERS*

#### Minerals:
- Ca, P, Mg, K, Na, Zn, Mn, Si, Fe, Cu, Se, Cl, S

#### Amino acid components:
- Cystine
- Lysine
- Methionine

#### Vitamins: A, E, D3

#### Others elements:
- Arsenic
- Cadmium
- Cobalt
- Iodine
- Lead

#### Nutritional facts:
- PDIA, PDIMN, PDIME
- Raw energy, MFU.

#### Pigments:
- Carotene
- Xanthophylles

#### Microscopics analyses:
- Identified cereals
- Identified leguminus plants...

#### Fatty acids compound:
- Butyric
- Caproic
- Erucic
- Gondoic
- Lauric
- Linoleic
- Oleic
- Myristic, etc.

#### Residue if veterinary drugs:
- Carbadox
- Olaquindox
- Monensin
- Narasin
- Nicarbazine
- Salinomycine
- Ethoxyquine
- Oxybendazole
- Oxytetracycline
- Robenidine

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* Ashes (raw & insoluble)
* Biogenic amines
* Crude protein
* Crude fiber content
* Digestibility of crude fiber
* Enzymatic activity
* Fat content
* Glucosinolates
* Insoluble Lignin
* Iodine value
* Insoluble plant walls
* Lactose
* Moisture content
* Nitrates
* Oil content
* Parietal components
* Peroxide index
* Soluble nitrogenous matter
* Starch content
* Total sugars
* Viscosity
* Water activity.
14 – FORAGES

**GENERAL INFORMATION:**
- Proficiency testing scheme created in 1984
- **40 participants** in average from 7 different countries
- **10 rounds per annual series** (September, October, November, December, January, February, March, April, May, June)
- **1 sample of 300 g** per distribution.

**NATURE OF SAMPLES**

**Hays:**
- Dehydrated alfalfa
- Mountain
- Natural meadow
- Orchard grass
- Ray grass

**Wrapped bales:**
- Meadow
- Orchard grass
- Ray grass

**Silages:**
- Dried corn
- Dried dactyl
- Dried clover
- Sorghum
- Straw

**Dried green fodder:**
- Alfalfa
- Corn

**Dehydrated fodder:**
- Alfalfa
- Ray grass.

**MAIN PARAMETERS**

**Minerals:** Ca, Mg, Zn, Cu, P

**Cellulase digestibility of dry and organic matter**

**Digestibility forecast**

**Energetic value forecast:**
- UFL, UFV, UFC

**Nitrogenous value:**
- PDIA, PDIN, PDIE
- Digestibles nitrogenous matter.

\* This list of parameters could be modified according to the nature of the product.

**Note:** The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.
### GENERAL INFORMATION:
- Proficiency testing scheme created in **1984**
- **30 participants** in average from **5 different countries**
- **4 rounds** per annual series (October, December, February, April)
- **1 sample of 1.5 kg per distribution.**

### NATURE OF SAMPLES
- Grass silage
- Corn silage
- Cereal mixture silage
- Sorghum silage
- Immature cereal silage
- Alfalfa silage.

### MAIN PARAMETERS*

<table>
<thead>
<tr>
<th>Parietal components:</th>
<th>Volatile fatty acids:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- NDF</td>
<td>- acetic acid</td>
</tr>
<tr>
<td>- ADF</td>
<td>- isobutyric acid</td>
</tr>
<tr>
<td>- ADL</td>
<td>- isovaleric acid</td>
</tr>
<tr>
<td>Alcohol:</td>
<td>- N-valerianic acid</td>
</tr>
<tr>
<td>- methanol, ethanol,</td>
<td>- N-butyric acid</td>
</tr>
<tr>
<td>- N-butanol, N-propanol</td>
<td>- propionic acid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Digestibility:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- pepsin cellulase</td>
<td></td>
</tr>
<tr>
<td>- cellulase of dry and organic matter</td>
<td></td>
</tr>
<tr>
<td>- Digestibility and energetic value forecast</td>
<td></td>
</tr>
<tr>
<td>- Nitrogenous value.</td>
<td></td>
</tr>
</tbody>
</table>

* This list of parameters could be modified according to the nature of the product.

**Note**: The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.
26a – Amino Acids: Animal Feed

General Information:
- Proficiency Testing Scheme created in 1970
- 12 participants in average from 7 different countries
- 5 rounds per annual series (September, October, December, February, April)
- 1 to 2 samples of 300 g per distribution.

Nature of samples:
- Casein
- Cat food
- Corn gluten / Wheat gluten
- Minerals concentrate with amino acids
- Feed for piglet supplemented with free amino acids
- Feed for animals supplemented with free amino acids
- Feed for chicken
- Peas
- Pure lysine
- Soybean meal
- Turkey meal
- Wheat draff.

Amino acids by hydrolysis method:
- aspartic acid
- alanine
- arginine
- cystine
- glutamic acid
- glycine
- histidine
- isoleucine
- leucine

Main parameters:
- lysine
- methionine
- phenylalanine
- proline
- serine
- tyrosine
- tryptophane
- threonine
- valine
- sum of amino acids
- protein content.

A complementary test « 26b – Amino acids –Food » is available. A special price will be allocated if you cumulate these schemes.

* This list of parameters could be modified according to the nature of the product.

Note: The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.
**42 – PREMIX**

**GENERAL INFORMATION:**
- Proficiency testing scheme created in 2000
- **40 participants** in average from **17 different countries**
- **10 rounds per annual series** (September, October, November, December, January, February, March, April, May, June)
- Shipment of **1 to 2 samples of 350 g** per distribution *ie 13 samples*.

**NATURE OF SAMPLES**
- Bicalcic phosphate
- Blend of vitamins
- Calcium carbonate
- Manganese oxide
- Mineral premix
- Multivitamined supplement
- Mineral food with vitamin
- Organic premix
- Zinc sulphate.

**MAIN PARAMETERS**

**Insoluble ash content**
- Raw ashes

**Minerals:**
- Calcium
- Chlorides
- Magnesium
- Potassium
- Soluble phosphorus
- Sodium
- Total phosphorus

**Vitamins:**
- A, E, D3, B1, B2, B6, B12, B9, B12, K3, C, PP, H.

**Trace elements:**
- Arsenic
- Cadmium
- Copper
- Cobalt
- Fluorine
- Iron
- Lead
- Molybdenum
- Mercury
- Manganese
- Selenium
- Total sulphur
- Zinc.

* This list of parameters could be modified according to the nature of the product.

**Note:** The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.
GENERAL INFORMATION:

- Proficiency testing scheme created in 2013
- **5 rounds per annual series** (September, November, January, March, May)
- Shipment of 2 samples 300 g to 1 kg per distribution ie 10 samples.

**NATURE OF SAMPLES**

- Aroma
- Cat food
- Corn
- Dog premix
- Fish meal
- Frozen meat
- Pig fat
- Vitamin supplements
- Wet dog food
- Wheat gluten

**MAIN PARAMETERS**

- Physico-chemical analyses
- Fatty acids
- Amino acids
- Metals
- Vitamins
- Fibers
- Stabilizer
- Amines biogenes
- Antioxidants
- Mycotoxins.

*This list of parameters could be modified according to the nature of the product.

**Note**: The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.