



Food and Agriculture Organization  
of the United Nations



## ANNOUNCEMENT

### A Joint FAO-IAIG Proficiency Test for Feed Analysis Laboratories in Developing Countries

(February to July 2017)

FAO invites feed analysis laboratories from both public and private institutions to participate in a Ring Test organized jointly with the International Analytic Group (IAG), conducted by the Institute for Animal Nutrition and Feed, Austria Agency for Food and Safety, Austria. The IAG has extensive experience in organizing the Ring Test for feed analysis laboratories. A ring test is an inter-laboratory test that allows the evaluation of the performance of testing laboratories, and is based on analysis of similar homogeneous samples. ***The aim is to enable laboratories to assess and improve their feed analysis performance.***

**Deadline for submission of the application:** 17 March 2017.

**Charges for the participation:** Euro 100 per laboratory for two samples.

**Procedure for the participation:** Please register by clicking on the link below

**[http://www.fao.org/ag/againfo/home/events/form\\_proficiency-test\\_2017.html](http://www.fao.org/ag/againfo/home/events/form_proficiency-test_2017.html)**

#### THE CONDUCT OF THE RING TEST

1. During the first week of April 2016 we will send you an invoice giving the account details to which the participation fee (Euro 100) is to be transferred. The participation fee includes the cost of the two samples that will be sent to each participating laboratory, analysis of data received from the laboratory and provision of a confidential Analysis Report. Please transfer the participation fee at the latest by April 28, 2017.
2. After receipt of the payment, two samples (forage and a mixed feed) will be distributed to the participating laboratories by end-May 2017.
3. Deadline for submission of results (as Excel-data\_file; a template will be provided to the participating laboratories): July 28, 2017.
4. A confidential report will be delivered during October 2017.

#### Feed analysis parameters

The participating laboratories can analyze any or all of the following parameters:

#### Ingredients parameters

Moisture (as basis for concentration in dry matter), Crude protein (Kjeldahl), Crude protein (Dumas), Crude fibre, Neutral detergent fibre OM (on organic matter basis), Acid detergent fibre OM (on organic matter basis), Acid detergent lignin, Hohenheim gas production test (HFT), Crude ash, Acid insoluble ash, Total fat with hydrolysis, Carotene, Xanthophyll, Nitrate, Starch, Sugar, Energy (calculated).

**Mineral nutrients**

Sodium, Phosphorus, Potassium, Calcium, Magnesium, Sulphur, Chloride (as water soluble, as Cl).

**Trace elements**

Copper, Manganese, Iron, Zinc, Cobalt, Molybdenum, Lead, Chromium, Boron, Fluorine.

**Feed additives and amino acids**

Vitamin A (retinol), Vitamin E ( $\alpha$ -Tocopherolacetate), Vitamin D3 (Cholecalciferol), all amino acids including tryptophan.

If added in the feed:

- Enzymes (phytase)
- Antioxidants (e.g.BHT- Butylated hydroxytoluene)

*Some analyses are only for the mixed feed and further information will be provided with the samples.*

Methods are not prescribed. With the results the participating laboratories should provide information on the methods used. Results will be requested as a single value per analyte on a dry matter basis (average of multiple determinations as usually done in the laboratories).