



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Animal Production and Health Division

ANNOUNCEMENT

A Joint FAO-IAG Proficiency Test for Feed Analysis Laboratories in Developing Countries (March to August 2014)

FAO invites applications from feed analysis laboratories from both public and private institutions for participation in a Ring Test organized jointly with the International Analytic Group (IAG), conducted by the Institute for Animal Nutrition and Feed (Austria Agency for Health and Food Safety). The IAG has extensive experience of organizing the Ring Test for feed analysis laboratories. A ring test is an interlaboratory test that allows to evaluate 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: 28 February 2014

Charges for the participation: Euro 80 per laboratory.

Procedure for the participation: Please provide the below-mentioned information and send a scanned copy to Harinder.Makkar@fao.org

Name of laboratory:

Postal address:

Billing address (if different):

Head of laboratory/ Contact person:

Tel:

Fax:

E-mail:

Signature of Head of the Institution/Laboratory _____

THE CONDUCT OF THE RING TEST

1. During the first week of March 2014 an invoice will be sent giving the account details to which the participation fee (Euro 80) 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 24, 2014. It is also envisaged to establish a Laboratory Network of the participating laboratories to further strengthen laboratory procedures and analyses including integration of quality control procedures and good laboratory practices.
2. After receipt of the payment two samples (green meal pellets and complementary concentrate feed) will be distributed to the participating laboratories by mid-May 2014.
3. The deadline for submission of results (as Excel-data_file; a template will be provided): July 7, 2014.
4. A confidential report will be delivered during the last week of August 2014.

Note: FAO has limited funds to provide the participation fee for some laboratories from developing countries (maximum 6 each from Africa, Asia and Latin America). Should your laboratory wish to apply for this support, please provide justification (this submission should not be of more than 150 words).

FEED ANALYSIS PARAMETERS

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

Ingredients parameters

Moisture, 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 (extractable), Iodine, Arsenic, Selenium, Mercury, Nickel, Cadmium

Feed additives and amino acids

Vitamin A, Vitamin E, Vitamin D3, All amino acids including tryptophan

If added in the feed:

- Coccidiostats (Monensin sodium)
- Enzymes (6-phytase)
- Antioxidants (BHT- Butylated hydroxytoluene)
- Organic acids (formic, lactic, acetic, propionic, fumaric, citric, benzoic acid).
- MHA (hydroxyl analogue of methionine),

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).