FNRI PT 19-04 (Fortified Rice-Mongo Blend)

s

INSTRUCTIONS TO PARTICIPANTS

Your unique laboratory code number is ___.

To ensure that the results from this study are valid, participants are requested to strictly follow the instructions stated below.

The objective of the FNRI PT 19-04 Round is to provide participants with the basis to evaluate their laboratory performance in the proximate, total dietary fiber and mineral analyses of rice-monggo blend.

1. Sample

1.1 Each participant laboratory is given ONE (1) laminated aluminum foil packet containing approximately 75g of sample labeled as "Fortified Rice-Monggo Blend".

1.2 Upon receipt of the sample, participants should accomplish the Sample Receipt Form and return to PTL Head (fnri.ptl@gmail .com). Damaged sample packet or sample found not suitable for analysis will be replaced.

1.3 The sample should be treated as a routine sample being analyzed in your laboratory, applying participant's own applicable laboratory practices (i.e., method of analysis, duplicate analysis, etc.).

2. Storage and Handling

2.1 The sample should be stored in a refrigerator maintained at 3-5^{0}C until analysis commences.

2.2 The contents of the sample should be mixed thoroughly (e.g., mix using a spatula) to ensure a homogeneous sample before obtaining test portion(s) for analysis. The sample should be handled with care. Avoid inhaling the sample.

3. Analysis

3.1 The analysis may commence as soon as the sample is received. Moisture should be analyzed immediately upon opening the sample packet. If possible, sample test portions for all measurands should be weighed at the same time. If analysis cannot be conducted on the same day, weighed test portions should be kept in a desiccator. Tightly close/reseal the packet container (e.g., tape seal) after weighing.

3.2 Test portion should be analyzed according to your **applicable routine laboratory practices** (e.g., duplicate analysis). Report only the mean/average result on **"as received"** basis for the following measurands:

s

a. moisture
b. fat
c. protein
d. ash
e. total dietary fiber (TDF)
f. iron
g. calcium
h. potassium
i. zinc
j. magnesium
k. phosphorus
l. copper

For proximate (moisture, fat, protein and ash) and TDF analyses, the results should be expressed in g per 100g in TWO (2) decimal places (e.g., 11.23g/100g).

For mineral (iron, calcium, potassium, zinc, magnesium, phosphorus and copper) analyses, the results should be expressed in mg per 100g in WHOLE NUMBER (e.g., 341mg/100g) for calcium, potassium and phosphorus, and TWO (2) decimal places (e.g., 6.42mg/100g) for iron, zinc, magnesium and copper.

3.3 Duplicate or triplicate analyses per measurand should be conducted by a single analyst following single applicable method of analysis.

4. Test Methods

4.1 Participant should use their own routine test methods applicable to the matrix.

NOTE: For fat analysis, hydrolysis (using acid or alkaline solution) of the sample before solvent extraction is recommended.

4.2 Subcontracting of analysis to other laboratories is strictly prohibited.

4.3 Details of the analysis procedures followed for each measurand should be provided in the Method Details Form. Mark areas with “NA” if not applicable, and “–” if information or data are not available.

5. Reporting

5.1 Only ONE (1) value (mean/average result) should be reported for EACH of the measurands on the provided Results Sheet. If no analysis was conducted for a component, mark the appropriate box with an “X”.

5.2 **Submitted results are irrevocable and considered final**, thus appropriate checking of results by laboratory heads are encouraged to be done prior to submission.

s

5.3 Participants should estimate and report the Expanded Measurement Uncertainty (MU) for each measurand expressed in the same units as the reported results. All estimates of MU should be reported at 95% level of confidence (coverage factor k=2).

5.4 All data are confidential. Participants should not disclose results to ensure a reliable and effective assessment of the PT result. They should not discuss with each other the results of their respective laboratories until the assigned value is known and the Final PT Report had been released.

6. Submission of Results and Method Details

6.1 Results Sheet and Method Details Form should be accomplished and submitted electronically via e-mail or through post mail on or before **30 August 2019** at apfan.apfan@yahoo.com and fnri.ptl@gmail.com . .

6.2 Participants are reminded that the ability to report results in the specified unit within the given timescale is part of the proficiency test.

7. Reports

7.1 An electronic copy of the *Interim Report* will be sent to all registered participants on **December 2019**. Interim report is provided for laboratories to initially assess their performance and check the PT provider's evaluation of result.

7.2 An electronic copy of the *Final PT Report* on the performance of participating laboratories will be distributed to all participants on **February 2020**. The PT Report will include only the Laboratory Code Number assigned to the designated participant laboratory to ensure confidentiality of test results.

7.3 Participants may lodge their complaints on the PT operation and appeals on the performance evaluation by accomplishing the *PT Feedback* within 30 calendar days after the release of the Final PT Report.

For further inquiries, please coordinate with the organizer thru at the contact details provided below:

Ms. Leah C. Dajay
PTL Head
Proficiency Testing Laboratory
Food and Nutrition Research Institute
Department of Science and Technology
Fax No.: (632) 837-31-64
E-mail: fnri.ptl@gmail.com