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འབྲུག་ཕོ་ནམ་དང་བ་ཆས་བྲིམས་དོན་དབང་འཛིན།

Royal Government of Bhutan
Ministry of Agriculture and Forests
Bhutan Agriculture and Food Regulatory Authority (BAFRA)
National Food Testing Laboratory



Quarterly Progress Report:

April-June 2016

**National Food Testing Laboratory,
BAFRA, MoAF, Yusipang**

Background:

This Report provides the instant information on the types of food samples and the total number of samples tested at NFTL, BAFRA, Yusipang on quarterly basis i.e., from *April to June, 2016*.

The Food and water samples had been received from various BAFRA field offices, food business operators and Government agencies for testing to serve their intended purposes. The samples have been tested through application of internationally adopted/validated methods of analysis such as FAO, WHO, AOAC, APHA, IS etc.

The quality of our test reports issued is ensured through implementation of ISO/IEC 17025:2005 (General Requirements for the Competence of Testing and Calibration Laboratories) for both microbiological and chemical parameters.

The samples are tested for following test parameters at NFTL; depending on the types of samples being received and test parameters requested:

1. **Microbiology:** Aerobic plate count, Yeast and mould count, Coliform count by MPN and E.coli by MPN.
2. **Chemistry:** Total soluble solids (TSS), Acidity, Moisture, Ash, Acid insoluble ash, Fat content, Acidity of extracted fat, Protein, Dry matter content, Total ash, Water soluble ash, pH, Total dissolved solids (TDS), Alkalinity, Total hardness, Lead, Cadmium, Zinc, Refractive index, Peroxide value and Acid value.



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I. Samples Tested for Microbiological Parameters:

Sl. No.	Types of food commodities	No. of Samples tested & Report issued			Total
		April	May	June	
1.	Raw/packageged drinking water	9	18	20	47
2.	Processed milk	-	1	-	1
3.	Cheese & butter	-	-	2	2
4.	Vegetable/fruit pickle	-	-	6	6
5.	Fruit jam/jelly	4	-	4	8
6.	Fruit juice/drink/squash	11	14	11	36
7.	Ketchup & sauce	4	-	1	5
8.	Cooked food (ready to eat)	5	6	5	16
9.	Raw rice	-	1	-	1
10.	Frozen meat	-	-	1	1
11.	Vegetable paste	-	2	-	2
12.	Pan masala	2	1	-	3
13.	Chilli powder	-	-	2	2
14.	Fermented soya bean	-	-	1	1
Grand Total					131



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II. Samples Tested for Chemical Parameters:

Sl. No.	Types of food commodities	No. of Samples tested & Report issued			Total
		April	May	June	
1.	Raw/packageged drinking water	22	22	19	63
2.	Milk	3	1	-	4
3.	Biscuit	1	-	-	1
4.	Vegetable pickle	4	-	4	8
5.	Fruit jam	-	3	3	6
6.	Fruit juice	5	18	7	30
7.	Ketchup & sauce	-	4	-	4
8.	Potato chips	-	-	1	1
9.	Vegetable paste	-	2	-	2
10.	Fruit squash	-	-	5	5
11.	Soya sauce	-	-	1	1
12.	Chilli powder	2	-	2	4
13.	Vinegar	-	-	1	1
Grand Total:					130

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