



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name	National Food Testing Laboratory (NFTL), Bhutan Food and Drug Authority (BFDA), Yoeselpang, Thimphu, Bhutan		
Accreditation Standard	ISO/IEC 17025: 2017		
Certificate No.	TC-4061	Page No.	1 of 9
Validity	28.03.2023 to 27.03.2025	Last Amended on	11.05.2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
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Permanent Facility

1.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Fruits , Vegetables & Beverages	Total Plate Count	IS 5402 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-2
2.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Fruits , Vegetables & Beverages	Yeast & Mould Count	IS 5403 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-19
3.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Fruits , Vegetables & Beverages	Coliform count by MPN	IS 5401 (Part 2) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
4.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Fruits , Vegetables & Beverages	E. coli by MPN	IS 5887 (Part 1) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
5.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Fruits , Vegetables & Beverages	Faecal coliform by MPN	FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
6.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Fruits , Vegetables & Beverages	Bacillus cereus	IS 5887(Part 6)
7.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	Total Plate Count	IS 5402 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-2
8.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	Yeast & Mould Count	IS 5403 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-19
9.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	Coliform count by MPN	IS 5401 (Part 2) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3

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10.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	E. coli by MPN	IS 5887 (Part 1) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
11.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	Salmonella	IS 5887 (Part 3)
12.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	Staphylococcus aureus	IS 5887 (Part 2)
13.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Cereals & Bakery products	Bacillus cereus	IS 5887(Part 6)
14.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Total Plate Count	IS 5402 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-2
15.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Yeast & Mould Count	IS 5403 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-19
16.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Coliform count by MPN	IS 5401(Part 2) FAO manual of Food Quality control, 14/4, Chapter-3
17.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Faecal coliform	IS 5401(Part 2) FAO manual of Food Quality control, 14/4,Rev.1, Chapter-3
18.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	E coli by MPN	IS 5887 (Part 1) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3

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19.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Salmonella	IS 5887 (Part 3)
20.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Staphylococcus aureus	IS 5887 (Part 2)
21.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Bacillus cereus	IS 5887 (Part 6)
22.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Milk and Dairy Products	Clostridium perfringens	IS 5887 (Part 4)
23.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Canned meat / Raw Frozen meat	Total Plate Count	IS 5402 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-2
24.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Canned meat/ Raw Frozen meat	Yeast & Mould Count	IS 5403 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-19
25.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Canned meat/ Raw Frozen meat	E. coli by MPN	IS 5887 (Part 1) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
26.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Canned meat/ Raw Frozen meat	Salmonella	IS 5887 (Part 3)
27.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Canned meat/ Raw Frozen meat	Staphylococcus aureus	IS 5887 (Part 2)
28.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Frozen Fish and Fishery Products	Vibrio spp. (V. parahaemolyticus)	IS 5887 (Part 5)

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29.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Frozen Fish and Fishery Products	Clostridium perfringens	IS 5887 (Part 4)
30.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Frozen Fish and Fishery Products	Staphylococcus aureus	IS 5887 (Part 2)
31.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Frozen Fish and Fishery Products	Salmonella	IS 5887 (Part 3)
32.	BIOLOGICAL/ FOOD & AGRICULTURAL PRODUCTS	Frozen Fish and Fishery Products	E. coli by MPN	IS 5887 (Part 1 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
33.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	Total Plate Count	IS 5402 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-2
34.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	Yeast & Mould Count	IS 5403 FAO manual of Food Quality control, 14/4, Rev.1, Chapter-19
35.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	Coliform count by MPN	IS 5401 (Part 2) FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
36.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	E. coli by MPN	IS 5887 (Part 1) FAO manual of Food Quality control, 14/4,Rev.1,Chapter-3
37.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	Faecal coliform	FAO manual of Food Quality control, 14/4, Rev.1, Chapter-3
38.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	Salmonella	IS 5887 (Part 3)

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39.	BIOLOGICAL/ WATER	Drinking Water, Raw Water	Vibrio spp. (V.parahaemolyticus)	IS 5887 (Part 5)
40.	BIOLOGICAL/ GM PRODUCTS	Corn, soya and Brinjal ; Corn and Soya based Food and Feed Products	P35S	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 Screening Method NFTL/QOP/GMO/7.2/02 Issue No. 2, Issue Date: January 19, 2023
41.	BIOLOGICAL/ GM PRODUCTS	Corn, soya and Brinjal ; Corn and Soya based Food and Feed Products	tnos	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 Screening Method NFTL/QOP/GMO/7.2/02, Issue No. 2, Issue Date: January 19, 2023
42.	BIOLOGICAL/ GM PRODUCTS	Corn, soya and brinjal ; Corn and Soya based Food and Feed Products	Cry1Ab	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 Screening Method NFTL/QOP/GMO/7.2/03, Issue No. 2, Issue Date: January 19, 2023
43.	BIOLOGICAL/ GM PRODUCTS	Corn, soya and brinjal ; Corn and Soya based Food and Feed Products	CP4epsps1	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 Screening Method NFTL/QOP/GMO/7.2/04 Issue No. 2, Issue Date: January 19, 2023
44.	BIOLOGICAL/ GM PRODUCTS	Corn, and Corn based Food and Feed Products	NK603	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 NFTL/QOP/GMO/7.2/08 , Issue No. 2, Issue Date: January 19, 2023

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45.	BIOLOGICAL/ GM PRODUCTS	Corn, and Corn based Food and Feed Products	MON810	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 NFTL/QOP/GMO/7.2/07 Issue No. 2, Issue Date: January 19, 2023
46.	BIOLOGICAL/ GM PRODUCTS	Soy and Soy based Food and Feed Products	GTS4032	DNA Extraction Method NFTL/QOP/GMO/7.2/01, Issue No. 2, Issue Date: January 19, 2023 NFTL/QOP/GMO/7.2/09 Issue No. 2, Issue Date: January 19, 2023
47.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Processed Fruits and Vegetable Products: Jam, Sauces, Pickles, Fruit Juices, Canned Fruits & Vegetables, Marmalades	Total Soluble Solids	AOAC Official Method 932.12 21st Edition, 2019
48.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Processed Fruits and Vegetable Products: Jam, Sauces, Pickles, Fruit Juices, Canned Fruits & Vegetables, Marmalades	Acidity	AOAC Official Method 842.15 21st Edition, 2019
49.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Cereals and Cereal Products Biscuits, Maize Grits, Rice, Bread	Moisture	IS:12711
50.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Cereals and Cereal Products Biscuits, Maize Grits, Rice, Bread	Ash	IS: 12711
51.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Cereals and Cereal Products Biscuits, Maize Grits, Rice, Bread	Acid Insoluble Ash	IS: 12711

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52.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Cereals and Cereal Products Biscuits, Maize Grits, Rice, Bread	Protein	AOAC Official Method 950.36;920.8 21 st Edition, 2019
53.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Tea	Dry Matter Content	AOAC Official Method;925.19 21 st Edition ,2019
54.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Tea	Total ash	AOAC Official Method;920.100 21 st Edition ,2019
55.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Tea	Water soluble ash	IS: 13855
56.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Tea	Acid Insoluble Ash	IS:13857
57.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Beverages (Non Alcoholic	pH	AOAC Official Method 973.41 21 st Edition,2019
58.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Beverages (Non Alcoholic	Total Soluble Solids	AOAC Official Method 932.12 21 st Edition ,2019
59.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Beverages (Non Alcoholic	Acidity	AOAC Official Method 942.15 21 st Edition ,2019
60.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Alcoholic Beverages Whisky, Beer and Wine	Ethyl alcohol content % by volume	AOAC Official Method 942.06 21 st Edition, 2019
61.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Milk and Dairy Products- Milk	Acidity of (as Lactic acid)	AOAC Official Method 947.05 21 st Edition, 2019

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62.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Milk and Dairy Products- Milk powder	Ash	AOAC Official Method 930.30 21 st Edition, 2019
63.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Milk and Dairy Products- Milk	Protein	AOAC Official Method 991.20 21 st Edition, 2019
64.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Milk and Dairy Products- Milk powder	Protein	AOAC Official Method 930.29 21 st Edition, 2019
65.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Milk and Dairy Products- Milk powder	Fat content	AOAC Official Method 932.06 21 st Edition, 2019
66.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Honey	Acidity	IS 14941
67.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Honey	Moisture Content	AOAC Official Method 969.38 21 st Edition, 2019
68.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Oils and Fats	Refractive index	AOAC Official Method 921.08 21 st Edition, 2019
69.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Oils and Fats	Peroxide Value	AOAC Official Method 965.33 21 st Edition, 2019
70.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Oils and Fats	Acid Value	AOAC Official Method 940.28 21 st Edition, 2019
71.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Oils and Fats	Saponification value	AOAC Official Method 920.160 21 st Edition, 2019

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72.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Flour, baked products and pasta	Fat content	AOAC Official Method 2003.05 21 st Edition, 2019
73.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS)	Fried potatoes	Fat content	AOAC Official Method 963.15 21 st Edition, 2019
74.	CHEMICAL/WATER	Drinking water, Raw water	pH	IS 3025 (Part 11)
75.	CHEMICAL/WATER	Drinking water, Raw water	Total Dissolved Solids	IS 3025 (Part 16),
76.	CHEMICAL/ WATER	Drinking water, Raw water	Alkalinity	IS 3025(Part 23)
77.	CHEMICAL/ WATER	Drinking water, Raw water	Total hardness	IS 3025 (Part 21)
78.	CHEMICAL/WATER	Drinking water, Raw water	Turbidity	IS 3025 (Part-10)
79.	CHEMICAL/RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Fruits and vegetables	Diazinon	AOAC Official Method 2007.01 21 st Edition, 2019
80.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Chilli Powder	Aflatoxin Aflatoxin B1	AOAC 999.07 21 st Edition, 2019
81.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water	Zinc	IS 3025 (Part 49):
82.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water	Cadmium	IS 3025 (Part 41):
83.	CHEMICAL/RESIDUES AND CONTAMINANTS IN WATER	Water	Lead	IS 3025 (Part 47)

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