



**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

**NATIONAL FOOD TESTING LABORATORY (NFTL),
BHUTAN FOOD AND DRUG AUTHORITY (BFDA)**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at
Yoeselpang, Thimphu, Bhutan

in the field of

TESTING

Certificate Number

TC-4209

Issue Date

04/07/2025

Valid Until

03/07/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity : MINISTRY OF HEALTH, ROYAL GOVERNMENT OF BHUTAN

Signed for and on behalf of NABL



89076970100030002702

**Anita Rani
Director**

**N. Venkateswaran
Chief Executive Officer**



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

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific 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 AND AGRICULTURAL PRODUCTS	Fruit and Fruit Products	Total Plate Count	IS 5402 (Part 1)
2.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Fruit Products	Yeast & Mould Count	IS 5403
3.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Fruit Products	Coliform Count	IS 5401 (Part 2)- by MPN
4.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Fruit Products	E. coli	IS 5887 (Part 1)- by MPN
5.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Fruit Products	Faecal coliform	FAO Manual of Food Quality Control, 14/4, Rev.1, Chapter 3- by MPN
6.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Fruit Products	Bacillus cereus	IS 5887 (Part 6)
7.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Total Plate Count	IS 5402 (Part 1)
8.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Yeast & Mould Count	IS 5403
9.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Coliform Count	IS 5401 (Part 2)- by MPN



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10.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	E. coli	IS 5887 (Part 1)- by MPN
11.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Faecal coliform	FAO Manual of Food Quality Control, 14/4, Rev. 1, Chapter 3- by MPN
12.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Bacillus cereus	IS 5887 (Part 6)
13.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic / Non- Alcoholic)	Total Plate Count	IS 5402 (Part 1)
14.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic / Non- Alcoholic)	Yeast & Mould Count	IS 5403
15.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic / Non- Alcoholic)	Coliform Count	IS 5401 (Part 2)- by MPN
16.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic / Non- Alcoholic)	E. coli	IS 5887 (Part 1)- by MPN
17.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic / Non- Alcoholic)	Faecal coliform	FAO Manual of Food Quality Control, 14/4, Rev.1, Chapter 3- by MPN
18.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Alcoholic / Non- Alcoholic)	Bacillus cereus	IS 5887 (Part 6)
19.	BIOLOGICAL/	Bakery and Confectionery	Total Plate Count	IS 5402 (Part 1)



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	FOOD AND AGRICULTURAL PRODUCTS	Products		
20.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery Products	Yeast & Mould Count	IS 5403
21.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery Products	Coliform Count	IS 5401 (Part 2)- by MPN
22.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery Products	E. coli	IS 5887 (Part 1)- by MPN
23.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery Products	Salmonella	IS 5887 (Part 3, Section 1)
24.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery Products	Staphylococcus aureus	IS 5887 (Part 2)
25.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery and Confectionery Products	Bacillus cereus	IS 5887 (Part 6)
26.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses and Cereal Products	Total Plate Count	IS 5402 (Part 1)
27.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses and Cereal Products	Yeast & Mould Count	IS 5403
28.	BIOLOGICAL/ FOOD AND	Cereals, Pulses and Cereal Products	Coliform Count	IS 5401 (Part 2)- by MPN



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	AGRICULTURAL PRODUCTS			
29.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses and Cereal Products	E. coli	IS 5887 (Part 1)- by MPN
30.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses and Cereal Products	Salmonella	IS 5887 (Part 3, Section 1)
31.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses and Cereal Products	Staphylococcus aureus	IS 5887 (Part 2)
32.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses and Cereal Products	Bacillus cereus	IS 5887 (Part 6)
33.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Total Plate Count	IS 5402 (Part 1)
34.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Yeast & Mould Count	IS 5403
35.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Coliform Count	IS 5401 (Part 2)- by MPN
36.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Faecal coliform	IS 5401 (Part 2)
37.	BIOLOGICAL/ FOOD AND AGRICULTURAL	Milk and Dairy Products	E. coli	IS 5887 (Part 1)- by MPN



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	PRODUCTS			
38.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Salmonella	IS 5887 (Part 3, Section 1)
39.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Staphylococcus aureus	IS 5887 (Part 2)
40.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Bacillus Cereus	IS 5887 (Part 6)
41.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Clostridium Perfringens	IS 5887 (Part 4)
42.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Meat and Meat Products	Total Plate Count	IS 5402 (Part 1)
43.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Meat and Meat Products	Yeast & Mould Count	IS 5403
44.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Meat and Meat Products	E. coli	IS 5887 (Part 1)- by MPN
45.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Meat and Meat Products	Salmonella	IS 5887 (Part 3, Section 1)
46.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Meat and Meat Products	Staphylococcus aureus	IS 5887 (Part 2)



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47.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish and Fish Products	Vibrio spp. (V. parahaemolyticus)	IS 5887 (Part 5, Section 1)
48.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish and Fish Products	Clostridium perfringens	IS 5887 (Part 4)
49.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish and Fish Products	Staphylococcus aureus	IS 5887 (Part 2)
50.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish and Fish Products	Salmonella	IS 5887 (Part 3, Section 1)
51.	BIOLOGICAL/ MARINE /AQUA CULTURE FOOD PRODUCTS	Fish and Fish Products	E. coli	IS 5887 (Part 1)- by MPN
52.	BIOLOGICAL/ WATER	Drinking Water	Total Plate Count	IS 5402 (Part 1)
53.	BIOLOGICAL/ WATER	Drinking Water	Yeast & Mould Count	IS 5403
54.	BIOLOGICAL/ WATER	Drinking Water	Salmonella	IS 5887 (Part 3, Section 1)
55.	BIOLOGICAL/ WATER	Drinking Water	Vibrio spp. (V. parahaemolyticus)	IS 5887 (Part 5)
56.	BIOLOGICAL/ WATER	Drinking Water	Total Coliform Count	ISO 9308-1
57.	BIOLOGICAL/ WATER	Drinking Water	E. coli Count	ISO 9308-1
58.	BIOLOGICAL/ WATER	Raw Water	Total Plate Count	IS 5402 (Part 1)
59.	BIOLOGICAL/ WATER	Raw Water	Yeast & Mould Count	IS 5403
60.	BIOLOGICAL/ WATER	Raw Water	Salmonella	IS 5887 (Part 3, Section 1)



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61.	WATER BIOLOGICAL/ WATER	Raw Water	Vibrio spp. (V. parahaemolyticus)	IS 5887 (Part 5)
62.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Processed Fruits and Vegetable Products- Jam, Sauces, Pickles, Fruit Juices, Canned Fruits & Vegetables, Marmalades	Total Soluble Solids	AOAC 932.12, 22 nd Edition
63.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Processed Fruits and Vegetable Products- Jam, Sauces, Pickles, Fruit Juices, Canned Fruits & Vegetables, Marmalades	Acidity	AOAC 842.15, 22 nd Edition,
64.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereal Products- Biscuits, Maize Grits, Rice, Bread	Moisture	IS 12711
65.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereal Products- Biscuits, Maize Grits, Rice, Bread	Ash	AOAC 923.03, 22 nd Edition
66.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereal Products- Biscuits, Maize Grits, Rice, Bread	Acid Insoluble Ash	IS 12711
67.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereal Products- Biscuits, Maize Grits, Rice, Bread	Protein	AOA 950.36, 920.87, 22 nd Edition
68.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereal Products- Biscuits, Maize Grits, Rice, Bread	Acidity of Extracted Fat (as Oleic Acid)	IS 12711
69.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Dry Matter Content	AOAC 925.19, 22 nd Edition



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70.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Total Ash	AOAC 920.100, 22 nd Edition
71.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Water Soluble Ash	AOAC 900.02D, 22 nd Edition
72.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Acid Insoluble Ash	AOAC 941.12C, 22 nd Edition
73.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Alkalinity of Water-Soluble Ash (as KOH) on Dry Basis	AOAC 900.02E, 22 nd Edition
74.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Moisture Content	AOAC 925.19, 22 nd Edition
75.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Non-Alcoholic)	pH	AOAC, 973.41, 22 nd Edition
76.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Non-Alcoholic)	Total Soluble Solids	AOAC 932.12, 22 nd Edition
77.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Beverages (Non-Alcoholic)	Acidity	AOAC 942.15, 22 nd Edition
78.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Alcoholic Beverages Whisky, Beer and Wine	Ethyl Alcohol Content	AOAC 942.06, 22 nd Edition
79.	CHEMICAL/	Milk and Dairy Products-	Acidity	AOAC 947.05, 22 nd Edition



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	FOOD AND AGRICULTURAL PRODUCTS	Milk	(as Lactic Acid)	
80.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products	Ash of	AOAC 930.30, 22 nd Edition
81.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products- Milk	Protein	AOAC 991.20, 22 nd Edition
82.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products- Milk Powder	Protein	AOAC 930.29, 22 nd Edition
83.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Dairy Products- Milk Powder	Fat Content	AOAC 932.06, 22 nd Edition
84.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Acidity	IS 4941
85.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Moisture Content	AOAC 969.38, 22 nd Edition
86.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Total Ash	AOAC 920.181, 22 nd Edition
87.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Specific Gravity at 27 °C	IS 4941
88.	CHEMICAL/ FOOD AND	Oils and Fats	Refractive Index	AOAC 921.08, 22 nd Edition



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	AGRICULTURAL PRODUCTS			
89.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils and Fats	Peroxide Value	AOAC 965.33, 22 nd Edition
90.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils and Fats	Acid Value	AOAC 940.28, 22 nd Edition
91.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils and Fats	Saponification Value	AOAC 920.160, 22 nd Edition
92.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils and Fats	Moisture Content	AOAC 926.12, 22 nd Edition
93.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils and Fats	Specific Gravity at 30 °C	AOAC 920.212, 22 nd Edition
94.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Flour, Baked Products and Pasta	Fat Content	AOAC 2003.05, 22 nd Edition
95.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fried Potatoes	Fat Content	AOAC 963.15, 22 nd Edition
96.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices and Condiments- Turmeric	Moisture	FSSAI Manual for Spices and Condiments (FSSAI 10.005)
97.	CHEMICAL/ FOOD AND AGRICULTURAL	Herbs, Spices and Condiments- Turmeric	Total Ash	AOAC 941.12, 22 nd Edition



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	PRODUCTS			
98.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices and Condiments- Turmeric	Acid Insoluble Ash	AOAC 941.12, 22 nd Edition
99.	CHEMICAL/ WATER	Drinking Water, Raw Water	pH	AOAC 973.41, 22 nd Edition
100.	CHEMICAL/ WATER	Drinking Water, Raw Water	Total Dissolved Solids	IS 3025 (Part 16)
101.	CHEMICAL/ WATER	Drinking Water, Raw Water	Alkalinity	IS 3025 (Part 23)
102.	CHEMICAL/ WATER	Drinking Water, Raw Water	Total Hardness	IS 3025 (Part 21)
103.	CHEMICAL/ WATER	Drinking Water, Raw Water	Turbidity	IS 3025 (Part 10)
104.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables	Pesticide Detection- Diazinon	AOAC, 2007.01, 22 nd Edition
105.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Chilli Powder	Aflatoxin B1	AOAC 999.07, 22 nd Edition
106.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND AGRICULTURAL PRODUCTS	Olive Oil, Peanut Oil and Mustard Oil	Total Aflatoxin	AOAC 2023.05, 22 nd Edition
107.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN FOOD AND	Cereal and Cereal Products	Total Aflatoxin	AOAC 991.31, 22 nd Edition



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108.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water- Drinking Water, Raw Water	Zinc	IS 3025 (Part 49)
109.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water- Drinking Water, Raw Water	Cadmium	IS 3025 (Part 41)
110.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water- Drinking Water, Raw Water	Lead	IS 3025 (Part 47)
111.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water- Drinking Water, Raw Water	Copper	IS 3025 (Part 42)
112.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water- Drinking Water, Raw Water	Manganese	IS 3025 (Part 59)
113.	CHEMICAL/ RESIDUES AND CONTAMINANTS IN WATER	Water- Drinking Water, Raw Water	Iron	IS 3035 (Part 53)