

To be uploaded on website.

National Institute of Food Technology Entrepreneurship and Management (NIFTEM)
Charges of Food Testing

A. CHEMICAL TESTING			
WATER TESTING			
S.N O	Parameters	Testing Charges (Rs)	REMARKS
1.	Total Dissolved Solids	500.00	As per FSSAI,BIS,AOAC specifications
2.	Titration Acidity	750.00	As per FSSAI,BIS,AOAC specifications
3.	pH	350.00	As per FSSAI,BIS,AOAC specifications
4.	Chloride content	750.00	As per FSSAI,BIS,AOAC specifications
5.	Color	350.00	As per FSSAI,BIS,AOAC specifications
6.	Turbidity	350.00	As per FSSAI,BIS,AOAC specifications
7.	Odour	350.00	As per FSSAI,BIS,AOAC specifications
8.	Total Hardness	750.00	As per FSSAI,BIS,AOAC specifications
9.	Specific conductance	750.00	As per FSSAI,BIS,AOAC specifications
10.	Total solid	500.00	As per FSSAI,BIS,AOAC specifications
11.	Appearance	250.00	As per FSSAI,BIS,AOAC specifications
12.	Nitrate (as No ³)	1250.00	As per FSSAI,BIS,AOAC specifications
13.	Nitrite (as No ²)	1250.00	As per FSSAI,BIS,AOAC specifications
14.	Fluoride (as F)	1250.00	As per FSSAI,BIS,AOAC specifications
15.	Chloride (as Cl ⁻)	1250.00	As per FSSAI,BIS,AOAC specifications
16.	Sulphate	1250.00	As per FSSAI,BIS,AOAC specifications
17.	Alkalinity	500.00	As per FSSAI,BIS,AOAC specifications
18.	Residual Free chloride	1250.00	As per FSSAI,BIS,AOAC specifications
19.	Ammonia as NH ₃	1250.00	As per FSSAI,BIS,AOAC specifications
20.	Complete analysis of drinking water as per IS:10500	22000.00	As per FSSAI,BIS,AOAC specifications
21.	Complete analysis of packaged drinking water as per IS:14543	25000.00	As per FSSAI,BIS,AOAC specifications
OIL TESTING			
22.	Peroxide value	750.00	As per FSSAI,BIS,AOAC specifications
23.	Free Fatty acid	500.00	As per FSSAI,BIS,AOAC specifications
24.	Brix value	350.00	As per FSSAI,BIS,AOAC specifications
25.	Specific Gravity	350.00	As per FSSAI,BIS,AOAC specifications
26.	Iodine Value	750.00	As per FSSAI,BIS,AOAC specifications
27.	Saponification value	750.00	As per FSSAI,BIS,AOAC specifications
28.	Insoluble impurity	750.00	As per FSSAI,BIS,AOAC specifications
29.	Melting Point	750.00	As per FSSAI,BIS,AOAC specifications
30.	Acid Value	750.00	As per FSSAI,BIS,AOAC specifications
31.	Unsaponifiable matter	750.00	As per FSSAI,BIS,AOAC specifications
32.	Volatile matter	750.00	As per FSSAI,BIS,AOAC specifications
33.	Argemone oil	1200.00	As per FSSAI,BIS,AOAC specifications
34.	Groundnut oil test (Bellier turbidity test)	1200.00	As per FSSAI,BIS,AOAC specifications
35.	Cotton seed oil test	1200.00	As per FSSAI,BIS,AOAC specifications
36.	Sesame seed oil test	1200.00	As per FSSAI,BIS,AOAC specifications
37.	Fatty acid profiling	3500.00	As per FSSAI,BIS,AOAC specifications

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National Institute of Food Technology Entrepreneurship and Management (NIFTEM)
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38.	Cholesterol	1500.00	As per FSSAI,BIS,AOAC specifications
PROXIMATE ANALYSIS			
39.	Moisture	300.00	As per FSSAI,BIS,AOAC specifications
40.	Ash	500.00	As per FSSAI,BIS,AOAC specifications
41.	Fat	750.00	As per FSSAI,BIS,AOAC specifications
42.	Protein	800	As per FSSAI,BIS,AOAC specifications
43.	Crude Fiber	1000.00	As per FSSAI,BIS,AOAC specifications
44.	Carbohydrate	1000.00	As per FSSAI,BIS,AOAC specifications
45.	Energy	500.00	As per FSSAI,BIS,AOAC specifications
46.	Dietary Fibre	2500.00	
47.	Acid Insoluble Ash	500.00	As per FSSAI,BIS,AOAC specifications
48.	Water Insoluble Ash	500.00	As per FSSAI,BIS,AOAC specifications
49.	Total Phenol	1000.00	As per FSSAI,BIS,AOAC specifications
50.	Total Antioxidants	1000.00	As per FSSAI,BIS,AOAC specifications
51.	Vitamin C(Chemical method)	1000.00	As per FSSAI,BIS,AOAC specifications
52.	Curcumin	1500.00	As per FSSAI,BIS,AOAC specifications
53.	Lycopene	1600.00	As per FSSAI,BIS,AOAC specifications
54.	pH	350.00	As per FSSAI,BIS,AOAC specifications
55.	Chloride	1250.00	As per FSSAI,BIS,AOAC specifications
56.	Brix	600.00	As per FSSAI,BIS,AOAC specifications
57.	Acidity	600.00	As per FSSAI,BIS,AOAC specifications
58.	Alkalinity	600.00	As per FSSAI,BIS,AOAC specifications
59.	Total Dissolved Solids	600.00	As per FSSAI,BIS,AOAC specifications
60.	Saccharine	1500.00	As per FSSAI,BIS,AOAC specifications
61.	Cane Sugar	1000.00	As per FSSAI,BIS,AOAC specifications
62.	Caustic Soda	500.00	As per FSSAI,BIS,AOAC specifications
63.	Foreign matter	350.00	As per FSSAI,BIS,AOAC specifications
64.	Fineness	350.00	As per FSSAI,BIS,AOAC specifications
65.	Lactose	2500.00	As per FSSAI,BIS,AOAC specifications
66.	Odour	250.00	As per FSSAI,BIS,AOAC specifications
67.	Salt	500.00	As per FSSAI,BIS,AOAC specifications
68.	Dry matter	350.00	As per FSSAI,BIS,AOAC specifications
69.	SNF	500.00	As per FSSAI,BIS,AOAC specifications
70.	Detergent	3000	As per FSSAI,BIS,AOAC specifications
71.	Formaldehyde	500.00	As per FSSAI,BIS,AOAC specifications
72.	Urea	550	As per FSSAI,BIS,AOAC specifications
73.	Salicylic acid	500.00	As per FSSAI,BIS,AOAC specifications
74.	Gluten content	1200.00	As per FSSAI,BIS,AOAC specifications
75.	Alcoholic acidity	600.00	As per FSSAI,BIS,AOAC specifications
76.	Volatile oil content	1200.00	As per FSSAI,BIS,AOAC specifications
77.	Non-volatile ether extract	1200.00	As per FSSAI,BIS,AOAC specifications
78.	Cold Water soluble extract	600.00	As per FSSAI,BIS,AOAC specifications

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79.	Refraction test (all parameter)	300.00/Parameters	As per FSSAI,BIS,AOAC specifications
80.	Peroxidase test (F & V)-qualitative	500.00	As per FSSAI,BIS,AOAC specifications
81.	TSS, Specific Gravity	750.00	As per FSSAI,BIS,AOAC specifications
82.	Ammonium Compound (Qualitative)	750.00	As per FSSAI,BIS,AOAC specifications
83.	Sodium chloride (Qualitative)	750.00	As per FSSAI,BIS,AOAC specifications
84.	Nitrates (pond water) (Qualitative)	750.00	As per FSSAI,BIS,AOAC specifications
85.	Neutralizers (as rosolic acid)(Qualitative)	750.00	As per FSSAI,BIS,AOAC specifications
Sugar, Honey & Their products			
86.	Total reducing sugar	1000.00	As per FSSAI,BIS,AOAC specifications
87.	Optical density at 660nm	1000.00	As per FSSAI,BIS,AOAC specifications
88.	Sucrose	1250.00	As per FSSAI,BIS,AOAC specifications
89.	Specific gravity at 27°C	750.00	As per FSSAI,BIS,AOAC specifications
90.	Acidity as Formic Acid	500.00	As per FSSAI,BIS,AOAC specifications
91.	Fiehe's test	750.00	As per FSSAI,BIS,AOAC specifications
92.	Aniline Chloride	750.00	As per FSSAI,BIS,AOAC specifications
93.	Fructose glucose ratio	1200.00	As per FSSAI,BIS,AOAC specifications
94.	Total pollens count	1000.00	As per FSSAI,BIS,AOAC specifications
95.	Polarization	1000.00	As per FSSAI,BIS,AOAC specifications
96.	Reducing Sugar	1000.00	As per FSSAI,BIS,AOAC specifications
97.	Solution colour at pH7	500.00	As per FSSAI,BIS,AOAC specifications
98.	Sulphated Ash	750.00	As per FSSAI,BIS,AOAC specifications
99.	Conduvity Ash	700.00	As per FSSAI,BIS,AOAC specifications
100.	Colur in ICUMSA unit	750.00	As per FSSAI,BIS,AOAC specifications
101.	Turbidity of Solution	750.00	As per FSSAI,BIS,AOAC specifications
102.	Inverted Sugar	1000.00	As per FSSAI,BIS,AOAC specifications
103.	Insoluble Matter	500.00	As per FSSAI,BIS,AOAC specifications
Microbiological Analysis			
104.	Total plate count	1250.00	As per FSSAI,BIS,AOAC specifications
105.	Yeast and Mould	1250.00	As per FSSAI,BIS,AOAC specifications
106.	Sterility test(per swab/rinse sample)	1250.00	As per FSSAI,BIS,AOAC specifications
107.	E.coli	1250.00	As per FSSAI,BIS,AOAC specifications
108.	Salmonella	1250.00	As per FSSAI,BIS,AOAC specifications
109.	Staphylococcus	1250.00	As per FSSAI,BIS,AOAC specifications
110.	Lysteria	1250.00	As per FSSAI,BIS,AOAC specifications
111.	Clostridium	1250.00	As per FSSAI,BIS,AOAC specifications
112.	Shigella	1250.00	As per FSSAI,BIS,AOAC specifications
113.	Anti microbial activity	1250.00	As per FSSAI,BIS,AOAC specifications
114.	Coliform	1250.00	As per FSSAI,BIS,AOAC specifications

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INSTRUMENTAL ANALYSIS

HPLC ANALYSIS			
115	Vitamin B	2500/Each	As per standard protocol/Laboratory validated method
116	Vitamin B all group	10000.00	As per standard protocol/Laboratory validated method
117	Vitamin C by HPLC	2500.00	As per standard protocol/Laboratory validated method
118	Single insoluble vitamins (Vitamin A,D,E and K)	2500.00	As per standard protocol/Laboratory validated method
119	Package for insoluble vitamins(Vitamin A,D,E and K)	8000.00	As per standard protocol/Laboratory validated method
120	Melamine Residual Analysis	3500.00 (including sample preparation)	As per standard protocol/Laboratory validated method
121	Sugar Profile (Glucose, Fructose, Maltose, Lactose, Galactose)	2500.00	As per standard protocol/Laboratory validated method
122	Aflatoxin M1	2500.00	As per standard protocol/Laboratory validated method
123	Aflotoxin B1,B2,G1,G2	3500.00	As per standard protocol/Laboratory validated method
124	Phenolic Compound Screening	2500.00	As per standard protocol/Laboratory validated method
125	Curcuminoids	2500.00	As per standard protocol/Laboratory validated method
126	Amino Acid	1200.00 (per AA/sample)	As per standard protocol/Laboratory validated method
127	Amino Acid	10000.00 (17AA as Package)	As per standard protocol/Laboratory validated method
128	Capsaicinoids	2500.00	As per standard protocol/Laboratory validated method
129	Organic Acids	2500/each	As per standard protocol/Laboratory validated method
130	Flavonoids analysis (Gallic acid, Caffeic acid, Rutin, Quercetin and Ferulic acid)	2500/Flavovanoids	As per standard protocol/Laboratory validated method
131	Cholesterol	2500.00	As per standard protocol/Laboratory validated method
132	Plant Hormones (Zeatin, Gibberlic Acid, Indole Acetic acid and Abscisic acid)	2500.00	As per standard protocol/Laboratory validated method
133	Preservatives	2500.00/Each	As per standard protocol/Laboratory validated method

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Charges of Food Testing

134	Citrinin	2500.00	As per standard protocol/Laboratory validated method
135	Phospholipids	3000.00	As per standard protocol/Laboratory validated method
ICP - OES ANALYSIS			
136	Minerals (Na, K, Mg, Ca, Fe, Mn, Zn, Selenium, S, Mo, P, etc.,)	750.00/element/ sample	As per standard protocol/Laboratory validated method
137	Heavy Metal Analysis (Hg, Pb, As and Cd)	750/ element/ sample	As per standard protocol/Laboratory validated method
GC - MS ANALYSIS			
138	Pesticide Residues	Rs.2500 per pesticide/ sample or, Rs.8000 for list of OC and OP pesticides Rs.25000 for all the pesticides specified for a food product as per the protocol (by both GC- MS/MS & LC-MS/MS)	As per standard protocol/Laboratory validated method
139	Fatty Acid Profile	3500.00	As per standard protocol/Laboratory validated method
140	Any component in the sample involving use of GCMS/MS	2500.00 (No sample preparation)	As per standard protocol/Laboratory validated method
141	Any component in the sample involving use of GCMS/MS	3500.00 (Including sample preparation)	As per standard protocol/Laboratory validated method
142	Any component in the sample involving use of GCMS/MS& HS	3500/	Any component in the sample involving use of GCMS/MS
CHNS – O ANALYSIS			
143	CHNS/O Analysis (Carbon, Hydrogen, Nitrogen, Oxygen Sulphur,)	3500 /sample or, 1200/element/sample	As per standard protocol/Laboratory validated method
LC-MS/MS			
144	LCMS/MS	5000.00/Sample (Total ion chromatogram with mass spectra)	As per standard protocol/Laboratory validated method

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145	Antibiotic residues	4000/sample or, Rs.25000 for the list of antibiotics/veterinary drug specified for the product as per given protocols.	As per standard protocol/Laboratory validated method
GAS CHROMATOGRAPHY(GC)			
146	Analysis of any component involving use of GC	2000/sample	As per standard protocol/Laboratory validated method.
Texture Analyzer			
147	Texture Profile Analysis	2000/sample	As per standard protocol/Laboratory validated method.

148. Charges for shelf life studies of food products

Charges for shelf life studies would depend upon the

- a) The parameters to be studied for shelf life
- b) Time intervals at which the parameters are to be studied
- c) No. of temperature and humidity conditions
- d) No. of batches to be studied and number of samples / batch

149. Persistence studies of residues of agrochemicals in soil, water and crops:

Charges would depend upon the number of samples to be analyzed during the study

150. New Analytical method Development and Validation for various parameters of any component in a given matrix : Rs 75000/

151. Any other project from the industry would be taken as a consultancy project and the charges would depend upon the scope of work involved

Basis of calculating the charges:

1. Actual cost of analysis (chemicals, reference standards if any, consumables, equipment depreciation, Infrastructure , manpower)
2. Institutional charges.

Discounts

1. Discount- In case of similar types of samples:

- a) 1-3 samples, above rates would be applicable.
- b) 3-5 samples, discount of 10% would be applicable.
- c) 5-10 samples, discount of 15% would be applicable.
- d) 10-20 samples, discount of 20% would be applicable.
- e) More than 20 samples, discount of 25% would be applicable.

2. Discount for NIFTEM students and students from other universities:

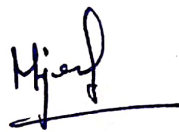
National Institute of Food Technology Entrepreneurship and Management (NIFTEM)
Charges of Food Testing

- a) 50% discount will be given to the students of NIFTEM
- b) 40% discount would be given to the students from other universities

Service Charges and GST would be charged extra

The testing charges may be paid as cash or Demand Draft in favour of "Centre for Food Research and Analysis, NIFTEM, Kundli" payable at Kundli, Sonapat

Any special analysis not covered in the list can be accepted with special analytical fee recommended through The Competent Authority

A handwritten signature in black ink, appearing to be 'M. J. Singh', written over a horizontal line.