



**FOOD SAFETY AND QUALITY TESTING LABORATORY**  
(NABL Accredited As Per ISO/IEC 17025:2005 & FSSAI Referral Laboratory)  
**INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY, THANJAVUR**

**FOOD ANALYSIS CHARGES :**

S. NO	PARAMETERS*	TESTING CHARGE* (RS.)
<b>Proximate / Nutritional Analysis</b>		
1.	Moisture	150.00
2.	Fat	650.00
3.	Protein	650.00
4.	Fiber	800.00
5.	Ash	350.00
6.	Carbohydrate	1000.00
7.	Energy	150.00
<b>ICP - OES Mineral Analysis</b>		
8.	Minerals (Na, K, Mg, Ca, Fe, Mn, Zn, Se, Cu, S, Mo, P, etc.,)	750.00/element/sample
9.	Heavy Metal analysis (Hg, Pb, As and Cd)	750.00/element/sample
<b>ICP – MS Mineral Analysis (up to parts per trillion level)</b>		
10.	Food & Water	800.00/element/sample)
<b>HPLC Analysis</b>		
11.	Vitamin B Group	2500.00
12.	Vitamin A,D,E and K	2500.00
13.	Aflatoxin Analysis	2500.00
14.	Melamine Residual Analysis	2500.00
15.	Antibiotic Residual Analysis (2 residues)	4000.00
16.	Sugar Profile (Glucose, Fructose, Maltose, Lactose, Galactose)	2500.00
17.	Aflatoxin M1	2500.00
18.	Phenolic Compound Screening	2500.00
19.	Curcuminoids	2500.00
20.	Capsaicinoids	2500.00
21.	Folic Acid	2500.00
22.	Organic Acids	2500.00
23.	Pesticide Residues (2 residues)	4000.00
24.	Cholesterol	2500.00
25.	Flavonoids screening (Gallic acid, Caffeic acid, Rutin, Quercetin and Ferulic acid)	2500.00
26.	Plant Hormones (Zeatin, Gibberlic Acid, Indole Acetic acid and Abscisic acid)	2500.00
27.	Citrinin	2500.00
28.	Preservatives	2500.00
29.	Phospholipids	3000.00
30.	Hydroxymethylfurfural (HMF)	2500.00
<b>Amino Acid Analyzer (AAA)</b>		
31.	Amino Acid	1000.00 (per AA/sample)
32.	Amino Acid	10000.00 (17AA as Package)
<b>Preparative HPLC Analysis</b>		
33.	Per sample/Fraction (Maximum 4 fraction)	6000.00
<b>HPTLC Analysis</b>		
34.	Phytochemicals Identification	2500.00
35.	<b>Food Additives</b> -Total Dye	2500.00

<b>LCMS/MS</b>		
36.	Colour	5000.00/Sample
37.	Pesticides for each group	5000.00/Sample
38.	Antibiotics	5000.00/Sample
39.	Secondary Metabolites	5000.00/Sample
<b>CHNS – O Analysis</b>		
40.	CHNS/O Analysis (Carbon, Hydrogen, Nitrogen, Oxygen Sulphur,)	3500.00/sample
<b>GC - MS Analysis</b>		
41.	Pesticide Residual analysis(For Chlorine & Phosphorous Containing Residues)	5000.00
42.	Fatty acid Profile	3000.00
43.	Phytochemical Identification	3000.00
<b>GCMS/MS Analysis</b>		
44.	Phytochemical Screening by GCMS/MS	3000.00/sample
45.	Pesticide Residual analysis by GCMS/MS	5000.00/sample
<b>Ion Chromatography</b>		
46.	Ion Chromatography (Fluoride, Chloride, Bromide, Nitrate, Phosphate, Sulphate)	3000.00
<b>H-NMR Analysis</b>		
47.	Proton NMR(CDCI3)	1500.00/sample
48.	Proton NMR (DMSO Exchange)	1500.00/sample
49.	Proton NMR (D <sub>2</sub> O Exchange)	1500.00/sample
<b>FTIR Analysis</b>		
50.	Functional Compound Analysis	500.00/sample
<b>Solid Phase Extraction</b>		
51.	Polar or Non-polar sample purification and Extraction	1000.00/sample
<b>Water Quality Analysis</b>		
52.	Titrate Acidity	500.00
53.	pH	350.00
54.	Total Dissolved Solids	350.00
55.	Total Hardness	350.00
56.	Chloride content	350.00
57.	Acidity	350.00
58.	Color	350.00
59.	Taste	350.00
60.	Odour	350.00
61.	Turbidity	350.00
62.	Oil & Grease	650.00
63.	Residue free chlorine	500.00
<b>Oil Quality Analysis</b>		
64.	Free Fatty acid	500.00
65.	Iodine Number	500.00
66.	Acid Number	500.00
67.	Saponification Number	500.00
68.	Peroxide value	500.00
69.	Specific Gravity	350.00
70.	Brix value	350.00
71.	Unsaponifiable matter	500.00



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<b>Paddy/ Rice Physical Analysis Testing Charges</b>		
72.	Paddy	350.00
73.	Rice	350.00
74.	Bran	350.00
75.	Wheat	350.00
<b>Paddy / Rice Quality Analysis</b>		
76.	Milling Test	1000.00
77.	Cooking Test	1000.00
78.	Parboiling & Milling	1500.00
79.	L, B, T Measurement	500.00
80.	Surface area of brown rice and Categorization	500.00
81.	1000 grain weight (Paddy & Brown Rice)	500.00
82.	Shelling only (Up to 300gm)	350.00
83.	Polishing of Brown Rice (up to 250 gm)	350.00
84.	Grain Pulverizing(up to 25 gm)	250.00
85.	Bulk Density	250.00
86.	Angle of repose	250.00
87.	Sun Checks	250.00
88.	Rice Color	250.00
89.	Rice Aroma	250.00
90.	Rice Hardness	250.00
91.	Chalkiness index	350.00
92.	GT - Alkali Score	350.00
93.	Gel Consistency	350.00
94.	EMC -s	300.00
95.	Water Uptake ratio (W 80° C/ 98° C)	500.00
96.	Rapid Visco Analyzer	2000.00
97.	Texture Analysis	2000.00
98.	Amylose	1000.00
99.	Uric Acid (UV Method)	1000.00
100.	Insoluble Amylose	2000.00
<b>Color Quest</b>		
101.	L*a*b value	500.00
<b>Polarimeter</b>		
102.	Optical Rotation	500.00
<b>Microbial Analysis</b>		
103.	Total Plate count	1000.00
104.	Yeast& Mould's	1000.00
105.	<i>E.coli</i> Screening	1000.00
106.	<i>Salmonella sp</i> Screening	1000.00
107.	<i>Staphylococcus sp</i> screening	1000.00
108.	Microbial Load	1000.00
109.	<i>Listeria sp</i> screening	1000.00
110.	<i>Clostridium sp</i> screening	1000.00

111.	<i>Shigella sp</i> Screening	1000.00
112.	Antimicrobial activity	1000.00
<b>Food Quality Analysis</b>		
113.	Starch	1000.00
114.	Reducing Sugar	1000.00
115.	Invert Sugar	1000.00
116.	Sucrose	1000.00
117.	Adulteration test for Food Product	350.00/Test
118.	Water Activity	650.00
119.	Volatile Oil	500.00
120.	Sand Silica(Acid insoluble Ash	350.00
121.	Tannin(UV Method)	1000.00
122.	Saponin(Gravimetric Method)	500.00
123.	Total Solids	500.00
124.	Soluble Solids	500.00
125.	Water Insoluble Ash	300.00
126.	Hydrocyanic acid	500.00
127.	Sulphur- di-oxide	500.00
128.	Organoleptic evaluation	650.00
129.	Hydroxymethylfurfural	1000.00
130.	Curcuminoids	1000.00
131.	Carotenoids	1000.00
132.	Lycopene	1000.00
133.	Capsaicin	1000.00
134.	Sulphated ash	500.00
135.	Insect infestation	500.00
136.	Vitamin C	1000.00
137.	Gluten	500.00
138.	Alcoholic acidity	350.00
139.	Microscopical identification	350.00
140.	SNF(Solid Not Fat)	500.00
141.	Gelatin	500.00
142.	Saccharine	500.00
<b>Phyto - chemical Analysis</b>		
143.	Phytochemical Screening	1000.00
144.	Total Phenolics	1000.00
145.	Total Flavonoids	1000.00
146.	Antioxidant activity by DPPH	1000.00
147.	Antioxidant activity by FRAP	1000.00
148.	Water Soluble Extracts	350.00
149.	Alcohol Soluble Extracts	350.00
150.	Fluorescence Analysis	350.00
151.	Alkaloids	1000.00
152.	Tannin	1000.00
153.	Reducing power activity	1000.00

\*Extra 15.0% tax (14 % service tax + 0.5% swachh bharat cess + 0.5% Krishi kalyan cess) will be charged for all the above analysis charges. The testing charges may be paid as cash or DD in favour of: **“The Director, IICPT” Payable at Thanjavur.**

**For Further details Contact:**  
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