



**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	165.00
2.	Fat	715.00
3.	Protein	715.00
4.	Fiber	880.00
5.	Ash	385.00
6.	Carbohydrate	1100.00
7.	Energy	165.00
<b>ICP - OES Mineral Analysis</b>		
8.	Minerals (Na, K, Mg, Ca, Fe, Mn, Zn, Se, Cu, S, Mo, P, etc.,)	825.00/element/sample
9.	Heavy Metal analysis (Hg, Pb, As and Cd)	825.00/element/sample
<b>ICP – MS Mineral Analysis (up to parts per trillion level)</b>		
10.	Food & Water	880.00/element/sample)
<b>HPLC Analysis</b>		
11.	Vitamin B Group	2750.00
12.	Vitamin A,D,E and K	2750.00
13.	Aflatoxin Analysis	2750.00
14.	Melamine Residual Analysis	2750.00
15.	Antibiotic Residual Analysis (2 residues)	4400.00
16.	Sugar Profile (Glucose, Fructose, Maltose, Lactose, Galactose)	2750.00
17.	Aflatoxin M1	2750.00
18.	Phenolic Compound Screening	2750.00
19.	Curcuminoids	2750.00
20.	Capsaicinoids	2750.00
21.	Folic Acid	2750.00
22.	Organic Acids	2750.00
23.	Pesticide Residues (2 residues)	4400.00
24.	Cholesterol	2750.00
25.	Flavonoids screening (Gallic acid, Caffeic acid, Rutin, Quercetin and Ferulic acid)	2750.00
26.	Plant Hormones (Zeatin, Gibberlic Acid, Indole Acetic acid and Abscisic acid)	2750.00
27.	Citrinin	2750.00
28.	Preservatives	2750.00
29.	Phospholipids	3300.00
30.	Hydroxymethylfurfural (HMF)	2750.00
<b>Amino Acid Analyzer (AAA)</b>		
31.	Amino Acid	1100.00 (per AA/sample)
32.	Amino Acid	11000.00 (17AA as Package)
<b>Preparative HPLC Analysis</b>		
33.	Per sample/Fraction (Maximum 4 fraction)	6600.00
<b>HPTLC Analysis</b>		
34.	Phytochemicals Identification	2750.00
35.	<b>Food Additives</b> -Total Dye	2750.00

<b>LCMS/MS</b>		
36.	Colour	5500.00/Sample
37.	Pesticides for each group	5500.00/Sample
38.	Antibiotics	5500.00/Sample
39.	Secondary Metabolites	5500.00/Sample
<b>CHNS – O Analysis</b>		
40.	CHNS/O Analysis (Carbon, Hydrogen, Nitrogen, Oxygen Sulphur,)	3850.00/sample
<b>GC - MS Analysis</b>		
41.	Pesticide Residual analysis(For Chlorine & Phosphorous Containing Residues)	5500.00
42.	Fatty acid Profile	3300.00
43.	Phytochemical Identification	3300.00
<b>GCMS/MS Analysis</b>		
44.	Phytochemical Screening by GCMS/MS	3300.00/sample
45.	Pesticide Residual analysis by GCMS/MS	5500.00/sample
<b>Ion Chromatography</b>		
46.	Ion Chromatography (Fluoride, Chloride, Bromide, Nitrate, Phosphate, Sulphate)	3300.00
<b>H-NMR Analysis</b>		
47.	Proton NMR(CDCI3)	1650.00/sample
48.	Proton NMR (DMSO Exchange)	1650.00/sample
49.	Proton NMR (D <sub>2</sub> O Exchange)	1650.00/sample
<b>FTIR Analysis</b>		
50.	Functional Compound Analysis	550.00/sample
<b>Solid Phase Extraction</b>		
51.	Polar or Non-polar sample purification and Extraction	1100.00/sample
<b>Water Quality Analysis</b>		
52.	Titration Acidity	550.00
53.	pH	385.00
54.	Total Dissolved Solids	385.00
55.	Total Hardness	385.00
56.	Chloride content	385.00
57.	Acidity	385.00
58.	Color	385.00
59.	Taste	385.00
60.	Odour	385.00
61.	Turbidity	385.00
62.	Oil & Grease	715.00
63.	Residue free chlorine	550.00
<b>Oil Quality Analysis</b>		
64.	Free Fatty acid	550.00
65.	Iodine Number	550.00
66.	Acid Number	550.00
67.	Saponification Number	550.00
68.	Peroxide value	550.00
69.	Specific Gravity	385.00
70.	Brix value	385.00
71.	Unsaponifiable matter	550.00



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<b>Paddy/ Rice Physical Analysis Testing Charges</b>		
72.	Paddy	385.00
73.	Rice	385.00
74.	Bran	385.00
75.	Wheat	385.00
<b>Paddy / Rice Quality Analysis</b>		
76.	Milling Test	1100.00
77.	Cooking Test	1100.00
78.	Parboiling & Milling	1650.00
79.	L, B, T Measurement	550.00
80.	Surface area of brown rice and Categorization	550.00
81.	1000 grain weight (Paddy & Brown Rice)	550.00
82.	Shelling only (Up to 300gm)	385.00
83.	Polishing of Brown Rice (up to 250 gm)	385.00
84.	Grain Pulverizing(up to 25 gm)	275.00
85.	Bulk Density	275.00
86.	Angle of repose	275.00
87.	Sun Checks	275.00
88.	Rice Color	275.00
89.	Rice Aroma	275.00
90.	Rice Hardness	275.00
91.	Chalkiness index	385.00
92.	GT - Alkali Score	385.00
93.	Gel Consistency	385.00
94.	EMC -s	330.00
95.	Water Uptake ratio (W 80° C/ 98° C)	550.00
96.	Rapid Visco Analyzer	2200.00
97.	Texture Analysis	2200.00
98.	Amylose	1100.00
99.	Uric Acid (UV Method)	1100.00
100.	Insoluble Amylose	2200.00
<b>Color Quest</b>		
101.	L*a*b value	550.00
<b>Polarimeter</b>		
102.	Optical Rotation	550.00
<b>Microbial Analysis</b>		
103.	Total Plate count	1100.00
104.	Yeast& Mould's	1100.00
105.	<i>E.coli</i> Screening	1100.00
106.	<i>Salmonella sp</i> Screening	1100.00
107.	<i>Staphylococcus sp</i> screening	1100.00
108.	Microbial Load	1100.00
109.	<i>Listeria sp</i> screening	1100.00
110.	<i>Clostridium sp</i> screening	1100.00

111.	<i>Shigella sp</i> Screening	1100.00
112.	Antimicrobial activity	1100.00
<b>Food Quality Analysis</b>		
113.	Starch	1100.00
114.	Reducing Sugar	1100.00
115.	Invert Sugar	1100.00
116.	Sucrose	1100.00
117.	Adulteration test for Food Product	385.00/Test
118.	Water Activity	715.00
119.	Volatile Oil	550.00
120.	Sand Silica(Acid insoluble Ash	385.00
121.	Tannin(UV Method)	1100.00
122.	Saponin(Gravimetric Method)	550.00
123.	Total Solids	550.00
124.	Soluble Solids	550.00
125.	Water Insoluble Ash	330.00
126.	Hydrocyanic acid	550.00
127.	Sulphur- di-oxide	550.00
128.	Organoleptic evaluation	715.00
129.	Hydroxymethylfurfural	1100.00
130.	Curcuminoids	1100.00
131.	Carotenoids	1100.00
132.	Lycopene	1100.00
133.	Capsaicin	1100.00
134.	Sulphated ash	550.00
135.	Insect infestation	550.00
136.	Vitamin C	1100.00
137.	Gluten	550.00
138.	Alcoholic acidity	385.00
139.	Microscopical identification	385.00
140.	SNF(Solid Not Fat)	550.00
141.	Gelatin	550.00
142.	Saccharine	550.00
<b>Phyto - chemical Analysis</b>		
143.	Phytochemical Screening	1100.00
144.	Total Phenolics	1100.00
145.	Total Flavonoids	1100.00
146.	Antioxidant activity by DPPH	1100.00
147.	Antioxidant activity by FRAP	1100.00
148.	Water Soluble Extracts	385.00
149.	Alcohol Soluble Extracts	385.00
150.	Fluorescence Analysis	385.00
151.	Alkaloids	1100.00
152.	Tannin	1100.00
153.	Reducing power activity	1100.00

\*Extra 18% GST will be charged for all the above analysis charges. The testing charges may be paid as cash or DD in favour of: "The Director, IIFPT" Payable at Thanjavur.

**For Further details Contact:**

The Director,  
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