



# Food Testing Laboratory ICAR-Central Institute of Post-Harvest Engineering and Technology

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## Testing Charges

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
1.	<b>Proximate Composition (food grains, pulses and their processed food products )</b>	Moisture content (Single sample)	300.00
2.		Moisture content (more than four samples)	250.00 per sample
3.		Crude Protein (Single sample)	800.00
4.		Crude Protein (more than four samples)	600.00 per sample
5.		Crude Fiber (Single sample)	1000.00
6.		Crude Fiber (more than four samples)	850.00 per sample
7.		Crude Fat/Oil content (Single sample)	700.00
8.		Crude Fat/Oil content (more than four samples)	550.00 per sample
9.		Total Ash (Single sample)	300.00
10.		Acid Insoluble Ash	350.00
11.		Sulphated Ash	350.00
12.		Total Ash (more than four sample)	250.00
13.		Proximate analysis of food sample (Moisture /Fat / Protein / Fibre, Ash, Carbohydrate )	2800.00 per sample

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
14.	<b>Cereal Pulses and their processed food products parameters</b>	Physical Parameters (Broken, Foreign Matter, Damaged / Slightly damaged grain, Weevilled grains, Discoloured grains, Chalky grains, Red grains, Admixture of lower class, Dehusked Grains)	500.00
15.		Other edible grains	250.00
16.		Sieve analysis	300.00
17.		Length Breadth and Thickness measurement, L/B ratio	300.00
18.		1000 grain/kernel weight	300.00
19.		Bulk density	250.00
20.		True density	250.00
21.		Kernel elongation ratio	250.00
22.		Volume expansion ratio	250.00
23.		Swelling Index	250.00
24.		% Gruel solid loss	250.00
25.		Cooking time	300.00
26.		Water Uptake ratio (W 80° C/ 100° C)	200.00
27.		Gelatinization Temperature –Alkali score	300.00
28.		Alcoholic Acidity	250.00

29.		Gluten Content (on wet and dry basis)	250.00
30.		Starch	1200.00
31.		Amylose	1200.00
32.		Hot water soluble amylose	1200.00
33.		Insoluble amylose	1200.00
34.		Amylopectin	1200.00
35.		Reducing Sugar	1200.00
36.		Non Reducing sugar	1200.00
37.		Total Sugars	1500.00
38.		Uric Acid	1200.00
39.		Saponin (Gravimetric Method)	1500.00
40.		Available Lysine (UV-Vis method)	1500.00
41.		Free and total gossypol content	1500.00
42.		Adulteration with Khesari dal powder	350.00
43.		Talc in rice and pulses	350.00
44.		Adulteration with starch	250.00
45.		Microscopic structure of cereal starches	250.00

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)	
46.	<b>Oil and Ghee Quality Analysis</b>	Free Fatty acid	600.00	
47.		Acid Value	500.00	
48.		Iodine Value	600.00	
49.		Saponification Number	500.00	
50.		Peroxide value	600.00	
51.		Specific Gravity	250.00	
52.		Unsataponifiable matter	500.00	
53.		Reichert Miessel Number	500.00	
54.		Fatty acid profile (for ghee & butter)	2500.00	
55.		Vitamin A by UV-Vis Spectrophotometer method	1500.00	
56.		Vitamin E by UV-Vis Spectrophotometer method	1500.00	
57.		<b>(Qualitative Test)</b>	Detection of Vanaspati	400.00
58.			Baudouin Test (Sesame Oil)	350.00
59.			Holde Test (Mineral Oil)	350.00
60.	Castor oil		350.00	
61.	Argemone Oil		350.00	
62.	Bellier Turbidity Test		350.00	
63.	Cotton Seed Oil (Halphens Test)		350.00	
64.	Hydrocyanic Acid		500.00	

S.No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
65.	<b>Phyto-Chemicals Analysis (by UV-Visible</b>	Total Phenolics	1000.00
66.		Total Flavonoids	1000.00
67.		Antioxidant activity by DPPH	1000.00

68.	<b>Spectro- photometer)</b>	Antioxidant activity by FRAP	1000.00
69.		Water Soluble Extracts	350.00
70.		Alcohol Soluble Extracts	350.00
71.		Tannin Content	500.00
72.		Reducing Power activity	1000.0

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
73.	<b>Fruits and Vegetables and their processed food products</b>	Moisture	500.00
74.		Titrateable Acidity	300.00
75.		Degree Brix or Total Soluble solids	200.00
76.		Total Sugars	1200.00
77.		Reducing Sugars	1200.00
78.		Total Ash	300.00
79.		Water Soluble and Insoluble Ash	300.00
80.		Sulphated Ash (salt free basis)	350.00
81.		Vitamin A	600.00
82.		Vitamin C	600.00
83.		Tests for artificial sweeteners	1000.00
84.		Tests for antioxidants	1000.00
85.		Tests for synthetic colours (Titanium dioxide, Poncea 4R, Carmoisine, Erythromycin, Sunset Yellow, Indigo carmine, Brilliant Blue FCF, Fast green FCF)	1000.00
86.		Benzoic acid	800.00
87.		Sodium chloride	800.00
88.		Carotenoids	1200.00
89.		Lycopene content	1200.00
90.		Capsaicin content	1200.00
91.	Minimum percentage of fruit juice Content	300.00	

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
92.	<b>Drinking Water</b>	Temporary Hardness	250.00
93.		Permanent Hardness	250.00
94.		Total Dissolved Solids	350.00
95.		Alkalinity	600.00

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
96.	<b>Herbs, Spices and their processed products</b>	Moisture (toluene distillation)	500.00
97.		Total Ash	300.00
98.		Acid Insoluble Ash	300.00
99.		Water soluble ash	300.00
100.		Alcohol soluble extract	350.00
101.		Cold water soluble extract	350.00
102.		Volatile Oil	500.00
103.		Non-Volatile Ether Extract	500.00
104.		Salt Content	800.00

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
105.	<b>Elemental and Mineral Analysis in Food, Water and animal feed matrix</b> (by Atomic Absorption Spectrophotometer-Flame Ionization/Graphite Furnace )	i. Copper	1200.00
106.		ii. Iron	1200.00
107.		iii. Zinc	1200.00
108.		iv. Calcium	1200.00
109.		v. Cobalt	1200.00
110.		vi. Magnesium	1200.00
111.		vii. Manganese	1200.00
112.		viii. Sodium	1200.00
113.		ix. Potassium	1200.00
114.		x. Aluminium	1200.00
115.		xi. Selenium	1200.00
116.		xii. Molybdenum	1200.00
117.		xiii. Vanadium	1200.00
118.		Heavy Metal Analysis (AAS & Hydride vapour technique)	xiv. Chromium
119.	xv. Nickel		1500.00
120.	xvi. Mercury		1500.00
121.	xvii. Arsenic		1500.00
122.	xviii. Cadmium		1500.00
123.	Minerals in food samples (10 elements)	(Any ten elements)	7500.00
124.	Elemental Analysis (More than 4 samples)	Any single element (4.No.) or combination of elements	1000.00 per sample

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
125.	Vitamin analysis in Food and animal feed matrix	Vitamin A,D E and K	2500.00
126.	Amino acid analysis by UHPLC	Aspartic acid	2000.00
127.		Threonine	2000.00
128.		Serine	2000.00
129.		Glutamic acid	2000.00
130.		Glycine	2000.00
131.		Alanine	2000.00
132.		Valine	2000.00
133.		Cystine	2000.00
134.		Methionine	2000.00
135.		Iso-Leucine	2000.00
136.		Leucine	2000.00
137.		Tyrosine	2000.00
138.		Phenylalanine	2000.00
139.		Proline	2000.00
140.		Lysine	2000.00
141.		Histidine	2000.00
142.		Arginine	2000.00
143.		Tryptophan	2000.00
144.	Amino acid profiling	20000.00	
145.	Aflatoxin analysis by UHPLC (B1, B2, G1, G2)	Single Aflatoxin analysis	5000.00
146.		( All 4 Aflatoxins)	12500.00

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
147.	Gas chromatography analysis in foods, oils and animal feed matrix	Saturated Fatty Acid	2500.00
148.		Mono Unsaturated Fatty Acid	2500.00
149.		Poly Unsaturated Fatty Acid	2500.00
150.		Trans fats	2500.00
151.		Fatty acid profiling	3000.00

S. No.	Food Commodity	Parameter/Tests	*Charges (Rs.)
152.	Milk ( Raw and processed) by milk analyzer	Fat	100.00
153.		SNF	100.00
154.		Density	100.00
155.		Protein	100.00
156.		Lactose	100.00
157.		Water Content	100.00
158.		Freezing point	100.00
159.		Total Solids	100.00
160.		Salts	100.00
161.		pH	100.00
162.		Conductivity	100.00
163.		All parameters	600.00 per sample

#### Payment related information

Testing charges are payable in advance through Digital Mode/E-payment through RTGS/NEFT with bank details as below:-

RTGS IFSC Code : SBIN0001482  
Account Holder Name : ICARUNIT CIPHET,Ludhiana  
Account Number : 10088205832  
MICR Number : 141002019  
ICAR-CIPHET LudhianaPAN : AAAAI1830P  
GSTIN Number : 03AAAAI1830P1ZT  
Service Tax Category : Testing and Certification

The payment details (UTR No./ bank transaction details ) for sample submitted to Food Testing Laboratory is required to be communicated to ICAR-CIPHET, Ludhiana for our information and record purpose.

\* 18% GST (extra) will be charged for all the above mentioned test charges. The testing charges is to be paid through digital means in Account of **“ICAR-CIPHET Unit” Payable at Ludhiana.** Customers willing to pay the testing charges in person through digital mode are requested to use their Debit/Credit Cards for making payment through PoS machine available in the Institute office. No cash transaction is allowed for payment of testing charges.

#### For further details please contact:

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