

BCSIR LABORATOIRES, CHITTAGONG

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SI No	Sample	Test Parameter	Instrument/Methodology	Charge (Taka)
01.	Oil/Fat/Allied Products	Acid value	Titrimetric	800
02.	Food/Fruit/Food Products	Acidity	Titrimetric	800
03.	Food/Fruit/Food Product/Oil/Beverage	Alcohol	Fractional Distillation	800
04.	Essential Oil	Aldehyde and Ketone	Titrimetric	600
05.	Soil/Water/Food/Food Products	Alkalinity	Titrimetric	800
06.	Water	Ammonia	Colometric/ Titrametric	1300
07.	Food	Anaerobic Bacteria	Selective	800
08.	Herbal Food/Drug	Antidiabetic Test	Animal Model	13000
09.	Water	Antimony	Colorimetric	1300
10.	Water	Aluminum	Colorimetric	1300
11.	Essential Oil	Analysis of Essential Oil	GLC	1300
12.	Food	Acidophilic Bacteria	Selective Method	800
13.	Food Products/ Water	Arsenic	Colorimetric	1300
14.	Food/Fruit/Food Products	Ash	Muffle Furnace	800
15.	Food/Fruit/Food Products	Acute Toxicity	Animal Model	6500
16.	Water	Biochemical Oxygen Demand (BOD)	Incubation and Titration	2500
17.	Lipstick	Breaking Point	Physical	1300
18.	Essential Oil	Boiling Point	Boiling Point Apparatus	500
19.	Soil/Plant	Boron	Atomic Absorption	1300
20.	Tea	Caffeine	Gravimetric	1300
21.	Soil Analysis/ Plant Analysis	Calcium	Titrimetric	900
23.	Water	Calcium	Flame Photometric	1300
24.	Soil Analysis	Calcium Carbonate	Titrimetric	1300
25.	Food /Food Product	Carbohydrate (Only)	By Difference	2500
26.	Soil/Water Analysis	Chloride	Titrimetric	800
27.	Food/Fruit/Food Product	Citric acid	Gravimetric	600
28.	Water	Carbon Dioxide	Titrametric	600
29.	Water	COD (Chemical Oxygen Demand)	Titrimetric/Colorimetric	2000
30.	Food/Fruit/Food Products/Beverage	Coliform	MPN & Pour Plate	1300
31.	Water/Fat/Oil/Allied Products/Sugar	Color	Colorimeter/Tintometer	500
32.	Food	Clostridium Sp Presence	Selective Method	1000
33.	Water	Conductivity	Conductometer	500
34.	Soil Analysis	Copper	Titrimetric	1300
35.	Sugar	Color	ICUMSA	600
36.	Water	Copper	Titrimetric/Gravimetric/Colorimetric/Spectrometer	600
37.	Metal Alloy	Copper	Spectrometric	1300

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38.	Cement and Allied Product	CaO	Spectrometric	1300
39.	Oils/Fats/Allied Products	Density	Hydrometer	700
40.	Food/Fruit/Food Products/Water	Dissolved Solid	Gravimetric	600
41.	Water	DO (Dissolved Oxygen)	Titrimetric	900
42.	Essential Oil	Ester Value	Titrimetric	600
43.	Tea	Fibre	Gravimetric	600
44.	CDSO/Palm Olein	F.F.A	Titrametric	600
45.	Oils/Fats/Allied Products	F.F.A.	Titrimetric	900
46.	Food/Fruit/Food Products	Fat	Soxhlet	1000
47.	Food /Food Products	Fibre	Acid Alkali Hydrolysis	1300
48.	Essential Oil	Flash point	Flash Point Apparatus	500
49.	Oil/Fat/Allied Products	Flash Point	Flash Point Apparatus	600
50.	Food/Fruit/Food Products	Fungus/ Mould / Yeast	Microbiological Media	900
51.	Wheat/ Rice/ Gram/ Corn/ Pulses etc.	Good seeds Foreign Particles/ Broken Seeds/ Dust/ Worm Seeds/ Moisture		9000
52.	Food	H ₂ S Producing Bacterial	Selective Method	800
53.	Sugar	Hydrogen Peroxide	Chemical	1300
54.	Sugar	Hydrose	Chemical	1300
55.	Flavour	Hydro Distillation	GC-MS	20000
56.	Perfume	Hydro Distillation	GC-MS	20000
57.	Volatile Constituents of Chemicals	Hydro Distillation	GC-MS	20000
58.	Essential Oil	Hydro Distillation	GC-MS	20000
59.	Unknown Samples/ Imported Materials (Chemicals / Dyes/ Resins /Pharmaceuticals/ Oils / Fats/ Pigments/ Carbohydrates/ Polymer/ Lubricants/ Paper Products/ Fertilizers/ Essential Oil and Allied Products	Identification Composition Estimation & Grading	Chemical Test/ Fusion/ Ashing/ Extraction/ Estimation by Titrimetric / Gravimetric	6500
60.	Essential Oil	Iodine Value	Hennus	1000
61.	Oils/Fats/Allied Products	Iodine Value	Titrimetric	1000
62.	Plant Analysis	Iron	Atomic Absorption	1500
63.	Chips/Crackers	Iron	Spectrophotometric	1300
64.	Water	Iron, Total	Titrimetric/ Gravimetric/ Colorimetric/ Spectrometer	600
65.	Fruit Juice/Fruit Cordial	Juice Content	Chemical	1300
66.	Food/Food Products/Fruit	Lactose	Titrimetric	600
67.	Water	Lead	Atomic Absorption Spectrometer	600
68.	Soil/Plant	Magnesium	Titrimetric	900
69.	Water	Magnesium	Titrimetric/ Gravimetric/ Flame Photometric/ Flame Photometer/ Spectrometer	1300
70.	Soil/Plant	Manganese	Titrimetric	1300
71.	Cement and Allied Product	MgO	Spectrometric	1300
72.	Water	Manganese	Titrimetric/ Gravimetric/ Colorimetric/Spectrometer	600

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73.	Oil/Fat/Allied Products	Melting Point	Melting Point Apparatus	400
74.	Water	Mercury	Spectrometer	1300
75.	Food/Fruit/Food Products	Milk Solid	Gravimetric	600
76.	Soil/Oil/Fat/Food Products	Moisture	Oven Drying	500
77.	Water	Nitrate	Titrimetric/Colorimetric/ Spectrometer	1300
78.	Water	Nitrite	Titrimetric/ Colorimetric/ Spectrometer	900
79.	Soil/Plant	Nitrogen	Micro Kjeldahl	1300
80.	Essential Oil	Optical Rotation	Polarimeter	1300
81.	Soil Analysis	Organic Matter	Titrimetric	600
82.	Food/Fruit/Food Products	Organoleptic Color /Flavor	9-pt Hedonic Method	800
83.	Oil/Fat/Allied Products	Peroxide Value	Melting Point Apparatus	800
84.	Soil/Oil/Water	pH	pH Meter	500
85.	Water	Phosphate	Spectrometer	1000
86.	Soil/Plant	Phosphorus, Total	Spectrophotometer	1300
87.	Soil/Plant	Potassium	Flame Photometer	1300
88.	Water	Potassium	Flame Photometric	1300
89.	Ceramic Material/Allied Product	Porosity Bulk Density etc.	A.D.AC	1300
90.	Food/Fruit/Food Products	Protein	Kjeldahl	1300
91.	Oil/Fat/Allied Products	Refractive index	Refractometer	1200
92.	Oil/Fat/Allied products	R-M Value	Titrimetric & Gravimetric	1000
93.	Jam/Juice/Jelly	Sodium Benzoate	Chemical	1300
94.	Jam/Juice/Jelly	SO ₂	Chemical	1300
95.	Milk Powder	Solubility	Gravimetric	1300
96.	Food	Spore Formic	Selective	800
97.	Sugar/ Food Products/Soft Drink Powder	Sulfated Ash Content	Gravimetric	1300
98.	Lipstick	Softening Point	Physical	1300
99.	Soil Analysis	Salinity	Electro-conductivity	500
100.	Soil Analysis	Sand	Soil Hydrometer	500
101.	Oil/Fat/Allied Products	Sap Value	Titrimetric	1000
102.	Soil Analysis	Silt	Soil Hydrometer	500
103.	Water	Silica	Colorimetric	1300
104.	Water	Sodium	Flame Photometric	1300
105.	Soil/Oil	Specific Gravity	Specific Bottle/ Picknometer	600
106.	Food/Fruit/Food Products	Starch	AOAC	800
107.	Food	Streptoceus Sp presence	Selective Method	1000
108.	Food/Fruit/Food Products	Sugar (Reducing)	Lane & Eynons Method	600
109.	Food/Fruit/Food Products	Sugar (Total)	Lane & Eynons Method	1300
110.	Soil Analysis	Sulfate	Titrimetric	1300
111.	Water	Sulfate	Titrimetric/Gravimetric/ Spectrometer	1000
112.	Soil Analysis	Sulfur	Titrimetric	1300
113.	Water	Suspended Matter	Gravimetric	800
114.	Tea	Tannin	Titrametric	600
115.	Soil Analysis	Texture	Physical Method	500
116.	Oils/Fats/Allied Products	Titre	Melting Point Apparatus	600
117.	Food/Fruit/Food Products	Total Solid	Gravimetric	800

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118.	Food/Fruit/Food Product/Water/Beverage	TVC	Pour Plate Method	800
119.	Oils/Fats/Allied Products	Unsaponifiable Matter	Extraction	1300
120.	Oils/Fats/Allied Products	Viscosity	Viscometer	1300
121.	Food/Fruit/Food Product/Oil	Vitamin-A	Spectrophotometric	3500
122.	Oil	Vitamin-A	Spectrophotometric	3500
123.	Food/Fruit/Food Products/Oil	Vitamin-C	Titrimetric	600
124.	Food/Fruit/Food Products	Vitamin-E	Spectrophotometric	3500
125.	Oil	Vitamin-E	Spectrophotometric	3500
126.	Food	Vibrio Chiltera Presence	Selective Method	1000
127.	Food	Yeast activity test	Selective Method	1300
128.	Soil Analysis	Zinc	Titrimetric	1300
129.	Water	Zinc	Titrimetric/ Gravimetric/ Colorimetric/Spectrometer	1300
130.	Metal Alloy	Zinc	Spectrometric	1300

Notes:

1. For interdisciplinary units and students the charge will be 50% of the usual rates.
2. The scope and rates are subject to change from time to time.