

Approved Analytical Charges for Chemical & Microbiological Parameters (w.e.f. 01.03.2024)							
Chemical Parameters		Rate/ sample	CGST(Tax 9%)	SGST(Tax 9%)	Total	Minimum Quantity Required	Time Required
<b>A.</b>	<b>Coconut Oil/ Virgin Coconut Oil</b>						
1	Moisture & Volatile matter	500.00	45.00	45.00	590.00	50 ml	2 days
2	Colour Value by Lovibond Tintometer	400.00	36.00	36.00	472.00	50 ml	1 day
3	Refractive Index	400.00	36.00	36.00	472.00	50 ml	1 day
4	Iodine Value	550.00	50.00	50.00	650.00	50 ml	2 days
5	Saponification Value	550.00	50.00	50.00	650.00	50 ml	2 days
6	Specific Gravity	400.00	36.00	36.00	472.00	50 ml	1 day
7	Acid Value	500.00	45.00	45.00	590.00	50 ml	1 day
8	Free Fatty Acids (FFA)	500.00	45.00	45.00	590.00	50 ml	1 day
9	Unsaponifiable matter	660.00	59.00	59.00	778.00	50 ml	3 days
10	Polenske Value	660.00	59.00	59.00	778.00	50 ml	2 days
11	Insoluble Impurities	500.00	45.00	45.00	590.00	50 ml	2 days
12	Peroxide Value	550.00	50.00	50.00	650.00	50 ml	2 days
13	Test for Mineral Oil	550.00	50.00	50.00	650.00	50 ml	2 days
14	Test for Argemone Oil	550.00	50.00	50.00	650.00	50 ml	2 days
15	Test for Cotton Seed Oil	550.00	50.00	50.00	650.00	50 ml	2 days
16	Test for Gingelly Oil	550.00	50.00	50.00	650.00	50 ml	2 days
17	Test for Castor Oil	550.00	50.00	50.00	650.00	50 ml	2 days
18	Fatty Acid Composition	3850.00	347.00	347.00	4544.00	50 ml	3 days
19	Vitamin E	3850.00	347.00	347.00	4544.00	50 ml	4 days
20	Heavy Metals by AAS (Pb, & Cu) - each	850.00	77.00	77.00	1004.00	50 ml	3 days
21	Reichert Meissl Value	660.00	59.00	59.00	778.00	50 ml	1 day
22	Polycyclic aromatic hydrocarbons (PAH)	4650.00	419.00	419.00	5488.00	50 ml	2 days
<b>B.</b>	<b>Desiccated Coconut</b>						
23	Determination of Particle size	400.00	36.00	36.00	472.00	250 g	1 day
24	Moisture content	500.00	45.00	45.00	590.00	50 g	2 days
25	Total Ash	550.00	50.00	50.00	650.00	50 g	3 days
26	Acid Insoluble Ash	550.00	50.00	50.00	650.00	50 g	4 days
27	Oil Content (Fat )	660.00	59.00	59.00	778.00	50 g	3 days
28	FFA of Fat extracted	500.00	45.00	45.00	590.00	50 g	3 days
29	Protein	660.00	59.00	59.00	778.00	50 g	3 days
30	Extraneous vegetable matter / Foreign Matter	450.00	41.00	41.00	532.00	250 g	2 days
31	Sulphites (expressed as residual SO2)	660.00	59.00	59.00	778.00	250 g	3 days
<b>C.</b>	<b>Coconut Oilcake</b>						

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32	Moisture	500.00	45.00	45.00	590.00	50 g	2 days
33	Protein	660.00	59.00	59.00	778.00	50 g	3 days
34	Crude fibre	660.00	59.00	59.00	778.00	50 g	4 days
35	Total Ash	550.00	50.00	50.00	650.00	50 g	3 days
36	Acid Insoluble Ash	550.00	50.00	50.00	650.00	50 g	4 days
37	Total Fat	660.00	59.00	59.00	778.00	50 g	2 days
38	Acid Value of extracted fat	500.00	45.00	45.00	590.00	100 g	2 days
<b>D</b>	<b>Copra</b>						
39	Diameter	400.00	36.00	36.00	472.00	2 Kg	1 day
40	Impurities	450.00	41.00	41.00	532.00	2 Kg	1 day
41	Mouldy & Black kenels	220.00	20.00	20.00	260.00	2 Kg	1 day
42	Wrinkled kernels	220.00	20.00	20.00	260.00	2 Kg	1 day
43	Chips	220.00	20.00	20.00	260.00	2 Kg	1 day
44	Moisture	500.00	45.00	45.00	590.00	500 g	2 days
45	Oil content	660.00	59.00	59.00	778.00	500 g	3 days
46	Acid value of extracted oil	500.00	45.00	45.00	590.00	500 g	2 days
<b>E</b>	<b>Coconut Water</b>						
47	Total Soluble Solids	500.00	45.00	45.00	590.00	50 ml	2 days
48	Total Ash	550.00	50.00	50.00	650.00	50 ml	3 days
49	Total Sugar	660.00	59.00	59.00	778.00	50 ml	2 days
50	pH	400.00	36.00	36.00	472.00	50 ml	1 day
<b>F</b>	<b>Neera</b>						
51	Brix	400.00	36.00	36.00	472.00	50 ml	1 day
52	pH	400.00	36.00	36.00	472.00	50 ml	1 day
53	Alcohol %	660.00	59.00	59.00	778.00	50 ml	2 days
54	Total Sugar	660.00	59.00	59.00	778.00	50 ml	2 days
<b>G</b>	<b>Coconut Milk powder</b>						
55	Moisture	500.00	45.00	45.00	590.00	50 g	2 days
56	Fat content	660.00	59.00	59.00	778.00	50 g	3 days
57	FFA of Fat extracted	500.00	45.00	45.00	590.00	50 g	2 days
58	Bulk Density	400.00	36.00	36.00	472.00	250 g	1 day
<b>H</b>	<b>Coconut Milk</b>						
59	Total Solids	500.00	45.00	45.00	590.00	50 ml	2 days
60	Fat content	660.00	59.00	59.00	778.00	50 ml	3 days
61	pH	400.00	36.00	36.00	472.00	50 ml	1 day
<b>I</b>	<b>Brewed Vinegar</b>						
62	Total Acids	500.00	45.00	45.00	590.00	50 ml	1 day
63	Total Soluble Solids	500.00	45.00	45.00	590.00	50 ml	2 days
64	Total Ash	550.00	50.00	50.00	650.00	50 ml	2 days
65	Alcohol Present / % of Alcohol	660.00	59.00	59.00	778.00	50 ml	2 days

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	66	Test for Mineral Acids	550.00	50.00	50.00	650.00	50 ml	1 day
	67	Lead/Copper-each	850.00	77.00	77.00	1004.00	50 ml	3 days
<b>J.</b>	<b>Neem Cake/Organic Fertiliser</b>							
	68	Moisture	500.00	45.00	45.00	590.00	50 g	2 days
	69	Oil Content (on dry basis)	660.00	59.00	59.00	778.00	50 g	3 days
	70	Nitrogen (N)	660.00	59.00	59.00	778.00	50 g	3 days
	71	Phosphorous (P) P <sub>2</sub> O <sub>5</sub>	850.00	77.00	77.00	1004.00	50 g	3 days
	72	Potassium (K) K <sub>2</sub> O	850.00	77.00	77.00	1004.00	50 g	3 days
	73	Sand & Silica	550.00	50.00	50.00	650.00	250 g	3 days
<b>K</b>	<b>Nutritional Parameters</b>							
	74	Fat	660.00	59.00	59.00	778.00	50 g	3 days
	75	Protein	660.00	59.00	59.00	778.00	50 g	3 days
	76	Crude Fibre	660.00	59.00	59.00	778.00	50 g	4 days
	77	Total Ash (Minerals)	550.00	50.00	50.00	650.00	50 g	3 days
	78	Carbohydrate (Total Sugar)	660.00	59.00	59.00	778.00	50 g	2 days
	79	Dietary Fibre	850.00	77.00	77.00	1004.00	50 g	4 days
	80	Metals & Minerals (Na, K, Ca, Zn, Mg, Mn,P, Cu,Cd,Fe) each	850.00	77.00	77.00	1004.00	50 g	3 days
<b>L</b>	<b>Microbiological Parameters</b>							
	81	Total plate count	550.00	50.00	50.00	650.00	100 g	2 days
	82	Enterobacteriaceae	550.00	50.00	50.00	650.00	100 g	4 days
	83	Total coliforms	500.00	45.00	45.00	590.00	100 g	4 days
	84	Salmonella	1650.00	149.00	149.00	1948.00	100 g	5 days
	85	S aureus	880.00	79.00	79.00	1038.00	100 g	4 days
	86	Yeast and Mold	440.00	40.00	40.00	520.00	100 g	7 days
	87	E coli	880.00	79.00	79.00	1038.00	100 g	4 days
	88	Sulphite reducing clostridia	770.00	69.00	69.00	908.00	100 g	3 days
	89	Bacillus cereus	880.00	79.00	79.00	1038.00	100 g	5 days
	90	Clostridium perfringens	1650.00	149.00	149.00	1948.00	100 g	5 days
	91	Listeria monocytogens	1650.00	149.00	149.00	1948.00	100 g	10 days
	92	Anti-microbial activity/strain	600.00	54.00	54.00	708.00	100 g	7 days
<b>M</b>	<b>Water Analysis</b>							
	93	Total plate count	500.00	45.00	45.00	590.00	1 Ltr	2 days
	94	Total coliforms	450.00	41.00	41.00	532.00	1 Ltr	4 days
	95	E coli	450.00	41.00	41.00	532.00	1 Ltr	4 days
	96	Water for Processed Food Industry (IS 4251)	3000.00	270.00	270.00	3540.00	1 Ltr	3 days