



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

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Report No : FD21090131-04

Report Date: 13 Sep 2021

Customer Name : M/s. Siddhartha Trading

Customer Address : #66, 9th Main Off 14th Cross Indira Nagar 2nd Stage Bangalore-560038

Sample Name : Cold Pressed Coconut Oil

Sample Quantity : 1Ltr x 1No

Sample Description : Cold Pressed Coconut Oil

Sample Received on : 06 Sep 2021

Reference : Test Request Form Dated 01.09.2021

Test Started on : 07 Sep 2021

Sample Identification : Batch No: WCE/001,
Mfg.Date: Aug 2021, Exp.Date: July 2022

Test Completed on : 13 Sep 2021

Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2021
Food & Agri- Edible Oils & Fats					
Antioxidants					
1	BHA	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	NMT 200
2	BHT	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	NMT 200
3	Propyl Gallates	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	NMT 200
4	TBHQ	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	NMT 200
Carotenoids					
5	β- Carotene	SMSLA/HC/SOP/29	mg/kg	BLQ(LOQ:0.50)	NMT 200
Chemical					
6	Acid Value	FSSAI Manual 2	mg KOH/g	0.380	NMT 6.0
7	Added Colouring Matter	FSSAI Manual 5	--	Absent	Absent
8	Butyro Refractometer Reading at 40°C	FSSAI Manual 2	--	34.6	34.0 – 35.5
9	Energy	SMSLA/FD/SOP/011	Kcal/100g	898.38	--
10	Fat	SMSLA/FD/SOP/047	g/100g	99.82	--
11	Foreign Matter	SMSLA/FD/SOP/015	--	Absent	Absent
12	Free Fatty Acid of Extracted Fat	FSSAI Manual 2	g/100g	0.135	--
13	Iodine Value	FSSAI Manual 2	--	8.55	7.5 - 10
14	Peroxide Value	FSSAI Manual 2	meq/Kg	Nil	NMT 15
15	Polenske Value	FSSAI Manual 2	--	13.24	NLT 13
16	Protein	AOAC 2001.11	g/100g	Nil	--
17	Rancidity	FSSAI Manual 2	--	Absent	Absent
18	Refractive Index at 40°C	FSSAI Manual 2	--	1.4485	1.4481 – 1.4491
19	Saponification Value	FSSAI Manual 2	mg KOH/g	255.65	NLT 250
20	Separated Water	SMSLA/FD/SOP/035	--	Absent	Absent
21	Test for Argemone Oil	FSSAI Manual 2	--	Negative	--

P. Jayasudha
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Authorized Signatory - Chemical

A. Kanagavel
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22	Test for Castor Oil	FSSAI Manual 2	--	Negative	--
23	Test for Mineral Oil	FSSAI Manual 2	--	Absent	Absent
24	Unsaponifiable Matter	FSSAI Manual 2	g/100g	0.65	NMT 1.0
25	Added Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
26	Carbohydrates	IS 1656	g/100g	Nil	--
27	Density	SMSLA/FD/SOP/046	g/ml	0.9088	--
28	Total Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
Fatty Acid Profile					
29	Mono-unsaturated Fat	SMSLA/GM/SOP/01	g/100g	6.019	--
30	Polyunsaturated Fat	SMSLA/GM/SOP/01	g/100g	1.887	--
31	Saturated Fat	SMSLA/GM/SOP/01	g/100g	91.914	--
32	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ (LOQ:0.001)	--
33	Isopropyl citrate mixture	SMSLA/GM/SOP/55	mg/kg	BLQ (LOQ:1.0)	NMT 200
34	Phosphoric acid	SMSLA/GM/SOP/58	mg/kg	BLQ (LOQ:0.01)	NMT 100
35	Diacyltartaric acid and fatty acid esters of glycerol	SMSLA/GEF/SOP/15	mg/kg	100	NMT 10000
36	Propylene glycol esters of fatty acids	SMSLA/GEF/SOP/15	mg/kg	100	NMT 10000
Fatty Acid Profile Mono-unsaturated Fatty Acids (MUFA's)					
37	C14:1; Myristoleic acid	SMSLA/GM/SOP/01	g/100g	ND	--
38	C15:1; Pentadecenoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
39	C16:1; Palmitoleic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
40	C17:1; Heptadecenoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
41	C18:1; Oleic acid	SMSLA/GM/SOP/01	g/100g	6.019	5.0 – 10.0
42	C20:1; cis -11-Eicosenoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND – 0.2
43	C22:1; Erucic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
44	C24:1; Nervonic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
Fatty Acid Profile Polyunsaturated Fatty Acid (PUFA's)					
45	C18:2;Linoleic acid	SMSLA/GM/SOP/01	g/100g	1.887	1.0 – 2.5
46	C18:3;Gamma-Linolenic acid	SMSLA/GM/SOP/01	g/100g	ND	ND – 0.2
47	C18:3;Linolenic acid	SMSLA/GM/SOP/01	g/100g	ND	ND – 0.2
48	C20:2;Eicosadienoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
49	C20:3; 11,14,17-Eicosatrienoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
50	C20:3; 8,11-14-Eicosatrienoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
51	C20:4; Arachidonic acid	SMSLA/GM/SOP/01	g/100g	ND	--
52	C20:5; Eicosopentanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
53	C22:2; 13-16-Docosadienoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
54	C22:6; Docosohexanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--


A. Kanagavel
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Fatty Acid Profile Saturated Fatty Acids					
54	C10:0; Capric acid	SMSLA/GM/SOP/01	g/100g	5.470	5.0 – 10.0
55	C11:0; Undecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
56	C12:0; Lauric acid	SMSLA/GM/SOP/01	g/100g	46.975	44.0 – 53.2
57	C13:0; Tridecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
58	C14:0; Myristic acid	SMSLA/GM/SOP/01	g/100g	19.754	13.0 – 21.9
59	C15:0; Pentadecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
60	C16:0; Palmitic acid	SMSLA/GM/SOP/01	g/100g	8.245	7.5 – 11.0
61	C17:0; Heptadecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
62	C18:0; Stearic acid	SMSLA/GM/SOP/01	g/100g	2.835	1.0 – 4.9
63	C20:0; Arachidic acid	SMSLA/GM/SOP/01	g/100g	ND	ND – 0.2
64	C21:0; Heneicosanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
65	C22:0; Behenic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
66	C23:0; Tricosanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
67	C24:0; Lignoceric acid	SMSLA/GM/SOP/01	g/100g	ND	ND
68	C4:0; Butyric acid	SMSLA/GM/SOP/01	g/100g	ND	--
69	C6:0; Caproic acid	SMSLA/GM/SOP/01	g/100g	0.319	ND – 1.0
70	C8:0; Caprylic acid	SMSLA/GM/SOP/01	g/100g	8.315	ND – 10.0
Fatty Acid Profile Trans Fatty Acids (TFA's)					
71	C18:1; Elaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ (LOQ:0.001)	--
72	C18:2; Linolelaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ (LOQ:0.001)	--
Pesticides					
73	Aldicarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
74	Aldrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
75	Captafol	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
76	Chlordane	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
77	Diazinon	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
78	Dieldrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
79	Endosulfan Sulfate	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
80	Endosulfan-Alpha	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
81	Endosulfan-Beta	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*


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81	Fenitrothion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
82	Fenthion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
83	Ferbam as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
84	Formothion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
85	HCH-Gamma	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
86	Heptachlor	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
87	Methomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
88	Monocrotophos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
89	o,p-DDD	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
90	o,p-DDE	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
91	o,p-DDT	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
92	p,p-DDD	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
93	p,p-DDE	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
94	p,p-DDT	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
95	Parathion ethyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
96	Parathion methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
97	Phenthoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
98	Phosphamidon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
99	Simazine	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
Preservatives					
100	Polysorbate	SMSLA/HC/SOP/18	mg/kg	BLQ(LOQ:10.0)	NMT 5000
Sterols					
101	Cholesterol	SMSLA/GM/SOP/02	mg/100g	BLQ(LOQ:1.0)	--
Trace Metal Elements					
102	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
103	Cadmium	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
104	Copper	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
105	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
106	Mercury	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
107	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
108	Nickel	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
109	Tin	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
Vitamins- Water Soluble					
110	Ascorbyl Ester	SMSLA/HC/SOP/27	mg/kg	BLQ(LOQ:5.0)	NMT 500

Note : BLQ: Below Limit of Quantification, LOQ: Limit of Quantification. ND: Not Detected. * Extraneous MRL of Banned Pesticides
Remarks: The sample complies with the specification as per FSSR 2011, Amendment 2021 for the above tested parameters
NMT: Not more than. NLT: Not less than

/***** End of the Report *****/


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