



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Page 1 of 4

Report No : FD21090131-02

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 Gingelly/ Black Sesame Oil Sample Quantity : 1Ltr x 1No
Sample Description : Cold Pressed Gingelly/ Black Sesame 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: BSE/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
Chemical					
5	Acid Value	FSSAI Manual 2	mg KOH/g	2.81	NMT 6.0
6	Added Colouring Matter	FSSAI Manual 5	--	Absent	Absent
7	Bellier Test	FSSAI Manual 2	°C	21.11	--
8	Butyro Refractometer Reading at 40°C	FSSAI Manual 2	--	58.6	58.0 - 61.0
9	Energy	SMSLA/FD/SOP/011	Kcal/100g	898.83	--
10	Fat	SMSLA/FD/SOP/047	g/100g	99.87	--
11	Foreign Matter	SMSLA/FD/SOP/015	--	Absent	Absent
12	Free Fatty Acid of Extracted Fat	FSSAI Manual 2	g/100g	1.41	--
13	Iodine Value	FSSAI Manual 2	--	105.14	103 - 120
14	Peroxide Value	FSSAI Manual 2	meq/Kg	1.27	NMT 15
15	Protein	AOAC 2001.11	g/100g	Nil	--
16	Rancidity	FSSAI Manual 2	--	Absent	Absent
17	Refractive Index at 40°C	FSSAI Manual 2	--	1.4650	1.4646 - 1.4665
18	Saponification Value	FSSAI Manual 2	mg KOH/g	191.45	188 - 193
19	Test for Argemone Oil	FSSAI Manual 2	--	Negative	--
20	Test for Castor Oil	FSSAI Manual 2	--	Negative	--
21	Test for Mineral Oil	FSSAI Manual 2	--	Absent	Absent

P. Jayasudha
P. Jayasudha
Authorized Signatory-Chemical

A. Kanagavel
Authorized Signatory-Chemical

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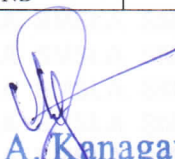
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Page 2 of 4

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22	Unsaponifiable Matter	FSSAI Manual 2	g/100g	0.46	NMT 1.5
23	Added Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
24	Carbohydrates	IS 1656	g/100g	Nil	--
25	Density	SMSLA/FD/SOP/046	g/ml	0.9120	--
26	Total Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
Fatty Acid Profile					
27	Mono-unsaturated Fat	SMSLA/GM/SOP/01	g/100g	45.161	--
28	Polyunsaturated Fat	SMSLA/GM/SOP/01	g/100g	36.672	--
29	Saturated Fat	SMSLA/GM/SOP/01	g/100g	18.037	--
30	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ (LOQ:0.001)	--
31	Isopropyl citrate mixture	SMSLA/GM/SOP/55	mg/kg	BLQ (LOQ:1.0)	NMT 200
32	Phosphoric acid	SMSLA/GM/SOP/58	mg/kg	BLQ (LOQ:0.01)	NMT 100
33	Diacetyltartaric acid and fatty acid esters of glycerol	SMSLA/GEF/SOP/15	mg/kg	100	NMT 10000
34	Propylene glycol esters of fatty acids	SMSLA/GEF/SOP/15	mg/kg	100	NMT 10000
Fatty Acid Profile Mono-unsaturated Fatty Acids (MUFA's)					
35	C14:1; Myristoleic acid	SMSLA/GM/SOP/01	g/100g	ND	--
36	C15:1; Pentadecenoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
37	C16:1; Palmitoleic acid	SMSLA/GM/SOP/01	g/100g	ND	ND - 0.2
38	C17:1; Heptadecenoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND - 0.1
39	C18:1; Oleic acid	SMSLA/GM/SOP/01	g/100g	45.161	34.4 - 48.0
40	C20:1; cis -11-Eicosenoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND - 0.5
41	C22:1; Erucic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
42	C24:1; Nervonic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
Fatty Acid Profile Polyunsaturated Fatty Acid (PUFA's)					
43	C18:2; Linoleic acid	SMSLA/GM/SOP/01	g/100g	36.143	28 - 47.9
44	C18:3; Gamma-Linolenic acid	SMSLA/GM/SOP/01	g/100g	ND	ND - 1.0
45	C18:3; Linolenic acid	SMSLA/GM/SOP/01	g/100g	0.529	ND - 1.0
46	C20:2; Eicosadienoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
47	C20:3; 11,14,17-Eicosatrienoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
48	C20:3; 8,11-14-Eicosatrienoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
49	C20:4; Arachidonic acid	SMSLA/GM/SOP/01	g/100g	ND	--
50	C20:5; Eicosopentanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
51	C22:2; 13-16-Docosadienoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
52	C22:6; Docosohexanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
Fatty Acid Profile Saturated Fatty Acids					
53	C10:0; Capric acid	SMSLA/GM/SOP/01	g/100g	ND	ND


A. Kanagavel
Authorized Signatory - Chemical

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Page 3 of 4

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53	C11:0; Undecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
54	C12:0; Lauric acid	SMSLA/GM/SOP/01	g/100g	ND	ND - 1.5
55	C13:0; Tridecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
56	C14:0; Myristic acid	SMSLA/GM/SOP/01	g/100g	0.290	ND - 0.8
57	C15:0; Pentadecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
58	C16:0; Palmitic acid	SMSLA/GM/SOP/01	g/100g	12.604	7.9 - 14.6
59	C17:0; Heptadecanoic acid	SMSLA/GM/SOP/01	g/100g	ND	ND - 0.2
60	C18:0; Stearic acid	SMSLA/GM/SOP/01	g/100g	4.145	2.0 - 8.0
61	C20:0; Arachidic acid	SMSLA/GM/SOP/01	g/100g	0.419	0.1 - 0.8
62	C21:0; Heneicosanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
63	C22:0; Behenic acid	SMSLA/GM/SOP/01	g/100g	0.320	ND - 1.1
64	C23:0; Tricosanoic acid	SMSLA/GM/SOP/01	g/100g	ND	--
65	C24:0; Lignoceric acid	SMSLA/GM/SOP/01	g/100g	0.260	ND - 0.5
66	C4:0; Butyric acid	SMSLA/GM/SOP/01	g/100g	ND	--
67	C6:0; Caproic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
68	C8:0; Caprylic acid	SMSLA/GM/SOP/01	g/100g	ND	ND
Fatty Acid Profile Trans Fatty Acids (TFA's)					
69	C18:1; Elaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ (LOQ:0.001)	--
70	C18:2; Linolelaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ (LOQ:0.001)	--
Pesticides					
71	Aldicarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
72	Aldrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
73	Captafol	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
74	Chlordane	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
75	Diazinon	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
76	Dieldrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
77	Endosulfan Sulfate	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
78	Endosulfan-Alpha	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
79	Endosulfan-Beta	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
80	Fenitrothion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
81	Fenthion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*

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Page 4 of 4

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82	Ferbam as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
83	Formothion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
84	HCH-Gamma	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
85	Heptachlor	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
86	Methomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
87	Monocrotophos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
88	o,p-DDD	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
89	o,p-DDE	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
90	o,p-DDT	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
91	p,p-DDD	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
92	p,p-DDE	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
93	p,p-DDT	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
94	Parathion ethyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
95	Parathion methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
96	Phenthoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.03
97	Phosphamidon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
98	Simazine	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01*
Preservatives					
99	Polysorbate	SMSLA/HC/SOP/18	mg/kg	BLQ(LOQ:10.0)	NMT 5000
Sterols					
100	Cholesterol	SMSLA/GM/SOP/02	mg/100g	BLQ(LOQ:1.0)	--
Trace Metal Elements					
101	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
102	Cadmium	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
103	Copper	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
104	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
105	Mercury	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
106	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
107	Tin	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	--
Vitamins- Water Soluble					
108	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.

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


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