



SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

TC-6118

ULR - TC611822000007853F

Report No : QFD22080138-03


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Report Date: 17 Aug 2022

Customer Name : M/s. A.R.Dairy Food Private Limited
Customer Address : No:10/5C, Madurai Road,Begampur Post, Dindigul-624 002
Sample Name : Raaj Ghee **Sample Quantity** : 200ml x 1No
Sample Description : Raaj Ghee **Sample Received on** : 11 Aug 2022
Reference : Customer Letter Dated 09.08.2022 **Test Started on** : 11 Aug 2022
Sample Identification : Batch No: CYM, Packing Date: 19.07.2022 **Test Completed on** : 17 Aug 2022
Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
Food & Agri- Milk & Dairy Products					
Antioxidants					
1	BHA	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	NMT 175
Chemical					
2	Added Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
3	Baudouins Test	FSSAI Manual 1	--	Negative	Negative
4	Butyro Refractometer Reading at 40°C	FSSAI Manual 1	--	42.3	40.0-44.0
5	Total Carbohydrates	IS 1656	g/100g	Nil	--
6	Dietary Fibre	AOAC 985.29	g/100g	Nil	--
7	Energy	SMSLA/FD/SOP/011	Kcal/100g	897.39	--
8	Fat	SMSLA/FD/SOP/047	g/100g	99.71	NLT 99.5
9	Free Fatty Acid as Oleic acid	FSSAI Manual 1	g/100g	0.308	NMT 2.0
10	Moisture	FSSAI Manual 1	g/100g	0.29	NMT 0.5
11	Peroxide value	FSSAI Manual 1	meq/Kg	Nil	--
12	Polenske value	FSSAI Manual 1	--	1.18	0.5-2.0
13	Protein	AOAC 2001.11	g/100g	Nil	--
14	Reichert Meissel Value	FSSAI Manual 1	--	28.12	NLT 24.0
15	Total Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
16	Iodine Value	IS 3508	--	32.66	25 - 38
17	Saponification Value	IS 3508	mg KOH/g	222.35	205 - 235
18	Vanaspathi	FSSAI Manual 1	--	Absent	--
19	Mineral Oil	FSSAI Manual 2	--	Absent	--


S. RESHMA
Senior Chemist

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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Fatty Acid Profile					
20	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
21	Omega- 3 Fatty Acids	SMSLA/GM/SOP/01	mg/100g	0.548	--
22	Omega- 6 Fatty Acids	SMSLA/GM/SOP/01	mg/100g	1.884	--
Fatty Acid Profile Mono-unsaturated Fatty Acids (MUFA's)					
23	C16:1; Palmitoleic acid	SMSLA/GM/SOP/01	g/100g	1.426	0.9 - 2.8
24	C18:1; Oleic acid	SMSLA/GM/SOP/01	g/100g	25.005	19 - 32
Fatty Acid Profile Saturated Fatty Acids					
25	C10:0; Capric acid	SMSLA/GM/SOP/01	g/100g	2.323	0.8 - 5
26	C12:0; Lauric acid	SMSLA/GM/SOP/01	g/100g	2.941	1.5 - 4
27	C14:0; Myristic acid	SMSLA/GM/SOP/01	g/100g	11.146	6 - 13
28	C16:0; Palmitic acid	SMSLA/GM/SOP/01	g/100g	34.317	22 - 38
29	C18:0; Stearic acid	SMSLA/GM/SOP/01	g/100g	12.413	8 - 19
30	C4:0; Butyric acid	SMSLA/GM/SOP/01	g/100g	1.645	1 - 5
31	C6:0; Caproic acid	SMSLA/GM/SOP/01	g/100g	1.186	0.5 - 2.2
32	C8:0; Caprylic acid	SMSLA/GM/SOP/01	g/100g	0.937	0.4 - 1.5
Fatty Acid Profile Trans Fatty Acids (TFA's)					
33	C18:2; Linolelaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
Mycotoxins					
34	Aflatoxin M1	SMSLA/HC/SOP/03	µg/kg	BLQ(LOQ:0.25)	--
Others - Cyanamides					
35	Melamine	SMSLA/LS/SOP/11	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
Sterols					
36	Cholesterol	SMSLA/GM/SOP/02	mg/100g	232.15	--

K. Prakash

K.PRAKASH
Senior Chemist

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Trace Metal Elements					
37	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 1.1
38	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
39	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	NMT 0.25
40	Sodium	SMSLA/IS/SOP/05	mg/kg	BLQ(LOQ:5.0)	--
Vitamins- Fat Soluble					
41	Alpha Tocopherol (Vitamin E)	SMSLA/HC/SOP/28	mg/100g	2.74	--
42	Cholecalciferol (Vitamin D3)	SMSLA/HC/SOP/28	mg/kg	BLQ(LOQ:0.250)	--
43	Ergocholecalciferol (Vitamin D2)	SMSLA/HC/SOP/28	mg/kg	BLQ(LOQ:0.250)	--
44	Menaquinone (Vitamin K2)	SMSLA/HC/SOP/28	mcg/100g	6.28	--
45	Phylloquinone (Vitamin K1)	SMSLA/HC/SOP/28	mcg/100g	2240	--
46	Retinol (Vitamin A)	SMSLA/HC/SOP/28	IU/100g	3036.05	--
Vitamins- Water Soluble					
47	Ascorbic acid (Vitamin C)	SMSLA/HC/SOP/27	mg/kg	BLQ(LOQ:0.250)	--
48	Cyanocobalamine (Vitamin B12)	SMSLA/HC/SOP/27	mg/kg	BLQ(LOQ:0.250)	--

Note: BLQ: Below Limit of Quantification; LOQ: Limit of Quantification. NMT: Not more than. NLT: Not less than.

Remarks: The sample complies with the specification as per FSSR 2011, Amendment 2022 for the above tested parameters.

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


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