



SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

TC-6118

ULR - TC61182300006005F

Report No : QFD23020412-06

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Report Date: 23 Feb 2023

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 Description : Raaj Ghee
Reference : Test Request Form Dated 17.02.2023
Sample Identification : Batch No:MCH, Mfg Date:01.02.2023
Sample Drawn By : Customer
Sample Quantity : 200ml x 1No
Sample Received on : 18 Feb 2023
Test Started on : 18 Feb 2023
Test Completed on : 23 Feb 2023

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
Antioxidants					
1	BHA	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	--
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	898.65	--
8	Total Fat	FSSAI Manual 1	g/100g	99.85	NLT 99.5
9	Free Fatty Acid as Oleic acid	FSSAI Manual 1	g/100g	0.239	NMT 2.0
10	Iodine Value	IS 3508	--	32.16	25 - 38
11	Mineral Oil	FSSAI Manual 2	--	Absent	--
12	Moisture	FSSAI Manual 1	g/100g	0.15	NMT 0.5
13	Peroxide value	FSSAI Manual 1	meq/Kg	Nil	--
14	Polenske value	FSSAI Manual 1	--	1.38	0.5 – 2.0
15	Protein	AOAC 2001.11	g/100g	Nil	--
16	Reichert Meissel Value	FSSAI Manual 1	--	28.71	NLT 24.0


K. PRAKASH
Senior Chemist


S. RESHMA
Senior Chemist

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

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
17	Saponification Value	IS 3508	mg KOH/g	223.41	205 - 235
18	Total Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
19	Vanaspathi	FSSAI Manual 1	--	Absent	--
Fatty Acid Profile					
20	Omega 3	SMSLA/GM/SOP/01	mg/100g	1475	--
21	Omega 6	SMSLA/GM/SOP/01	mg//100g	2198	--
22	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
Fatty Acid Profile Mono-unsaturated Fatty Acids (MUFA's)					
23	C16:1; Palmitoleic acid	SMSLA/GM/SOP/01	g/100g	1.628	0.9 - 2.8
24	C18:1; Oleic acid	SMSLA/GM/SOP/01	g/100g	28.907	19 - 32
Fatty Acid Profile Saturated Fatty Acids					
25	C10:0; Capric acid	SMSLA/GM/SOP/01	g/100g	0.999	0.8 - 5
26	C12:0; Lauric acid	SMSLA/GM/SOP/01	g/100g	2.017	1.5 - 4
27	C14:0; Myristic acid	SMSLA/GM/SOP/01	g/100g	10.035	6 - 13
28	C16:0; Palmitic acid	SMSLA/GM/SOP/01	g/100g	32.351	22 - 38
29	C18:0; Stearic acid	SMSLA/GM/SOP/01	g/100g	16.745	8 - 19
30	C4:0; Butyric acid	SMSLA/GM/SOP/01	g/100g	1.228	1 - 5
31	C6:0; Caproic acid	SMSLA/GM/SOP/01	g/100g	0.629	0.5 - 2.2
32	C8:0; Caprylic acid	SMSLA/GM/SOP/01	g/100g	0.479	0.4 - 1.5
Fatty Acid Profile Poly Unsaturated Fatty Acid					
33	C18:2; Linoleic acid	SMSLA/GM/SOP/01	g/100g	1.528	--
34	C18:3;Linolenic acid	SMSLA/GM/SOP/01	g/100g	0.39	--
Mycotoxins					
35	Aflatoxin M1	SMSLA/HC/SOP/03	µg/kg	BLQ(LOQ:0.25)	--
Others - Cyanamides					
36	Melamine	SMSLA/LS/SOP/11	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
Sterols					
37	Cholesterol	SMSLA/GM/SOP/02	mg/100g	246.78	--
Trace Metal Elements					
38	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 1.1


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Report Date: 23 Feb 2023

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
39	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
40	Methyl Mercury [Calculated as	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	NMT 0.25
41	Sodium	SMSLA/IS/SOP/05	mg/kg	BLQ(LOQ:5.0)	--
Vitamins- Fat Soluble					
42	Alpha Tocopherol (Vitamin E)	SMSLA/LS/SOP/47	mg/100g	3.1	--
43	Cholecalciferol (Vitamin D3)	SMSLA/LS/SOP/47	mg/100g	BLQ(LOQ:0.50)	--
44	Ergocholecalciferol (Vitamin D2)	SMSLA/LS/SOP/47	mg/100g	BLQ(LOQ:0.50)	--
45	Menaquinone (Vitamin K2)	SMSLA/LS/SOP/47	mcg/100g	4.51	--
46	Phylloquinone (Vitamin K1)	SMSLA/LS/SOP/47	mcg/100g	4.73	--
47	Retinol (Vitamin A)	SMSLA/LS/SOP/47	IU/100g	3108	--
Vitamins- Water Soluble					
48	Ascorbic acid (Vitamin C)	SMSLA/LS/SOP/43	mg/100g	BLQ(LOQ:0.50)	--
49	Cyanocobalamine (Vitamin B12)	SMSLA/LS/SOP/43	mg/100g	BLQ(LOQ:0.001)	--
GC MS Screening					
50	Phytosterols	SMSLA/GM/SOP/12	--	Absent	--

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

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

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


K.PRAKASH
Senior Chemist

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TEST REPORT

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Report No : FD23030197-01

Report Date: 13 Mar 2023

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 (100ml) **Sample Quantity** : 100ml x 1No
Sample Description : Raaj Ghee (100ml) **Sample Received on** : 10 Mar 2023
Reference : Test Request Form Dated 09.03.2023 **Test Started on** : 11 Mar 2023
Sample Identification : Batch Code: PMD, Mfg Date: 23/02/23 **Test Completed on** : 13 Mar 2023
Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
Sterols				
1	Beta Sitosterol	SMSLA/HC/SOP/67	--	Absent

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

A.Kanagavel
Authorized Signatory-Chemical

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