

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611822000000973F

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Report No: QFD22020140-08

Report Date: 14 Feb 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 2No's

Sample Description

: Raaj Ghee

Sample Received on

: 09 Feb 2022

Reference

: Test Request Form Date 08.02.2022

Test Started on

: 09 Feb 2022

Sample Identification

: Batch No:TJR, Mfg Date:13.10.2021

Test Completed on

: 14 Feb 2022

Sample Drawn By

: Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
Food 6	& Agri- Milk & Dairy Products				
Chem	ical				
1	Baudouins Test	FSSAI Manual 1		Negative	Negative
2	Butyro Refractometer Reading at 40°C	FSSAI Manual 1		42.3	40.0-44.0
3	Total Carbohydrates	IS 1656	g/100g	Nil	
4	Dietary Fibre	AOAC 985.29	g/100g	Nil	
5	Energy	SMSLA/FD/SOP/011	Kcal/100g	898.47	
6	Total Fat	SMSLA/FD/SOP/047	g/100g	99.83	NLT 99.5
7	Free Fatty Acid as Oleic acid	FSSAI Manual 1	g/100g	0.315	NMT 2.0
8	Moisture	FSSAI Manual 1	g/100g	0.17	NMT 0.5
9	Peroxide value	FSSAI Manual 1	meq/Kg	Nil	
10	Polenske value	FSSAI Manual 1		1.37	0.5-2.0
11	Protein	AOAC 2001.11	g/100g	Nil	
12	Reichert Meissel Value	FSSAI Manual 1		28.63	NLT 24.0
13	Total Sugar	SMSLA/FD/SOP/019	g/100g	Nil	
14	Added Sugar	FSSAI Manual 1	g/100g	Nil	
15	Iodine Value	IS 3508		30.81	25-38
16	Saponification Value	IS 3508	mg KOH/g	231.48	205-235
Fatty	Acid Profile				
17	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	
18	Omega- 3 Fatty Acids	SMSLA/GM/SOP/01	mg/100g	1447.0	
19	Omega- 6 Fatty Acids	SMSLA/GM/SOP/01	mg/100g	2247.0	

K.PRAK Senior Chemist

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124. Certified By: ISO 9001 & ISO 45001.

The results relate only to the items tested.

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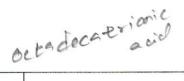
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s.no	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
Fatty A	Acid Profile Mono-unsaturated Fatty A	cids (MUFA's)			
20	C16:1; Palmitoleic acid	SMSLA/GM/SOP/01	g/100g	1.47	0.9-2.8
21	C18:1; Oleic acid	SMSLA/GM/SOP/01	g/100g	22.37	19-32
Fatty A	Acid Profile Polyunsaturated Fatty Aci	d (PUFA's)			
22	C18:3;Linolenic acid	SMSLA/GM/SOP/01	g/100g	0.56	0.3-1.0
Fatty	Acid Profile Saturated Fatty Acids				*
23	C10:0; Capric acid	SMSLA/GM/SOP/01	g/100g	2.05	0.8-5
24	C12:0; Lauric acid	SMSLA/GM/SOP/01	g/100g	2.69	1.5-4
25	C14:0; Myristic acid	SMSLA/GM/SOP/01	g/100g	8.85	6-13
26	C16:0; Palmitic acid	SMSLA/GM/SOP/01	g/100g	30.86	22-38
27	C18:0; Stearic acid	SMSLA/GM/SOP/01	g/100g	11.79	8-19
28	C4:0; Butyric acid	SMSLA/GM/SOP/01	g/100g	1.77	1-5
29	C6:0; Caproic acid	SMSLA/GM/SOP/01	g/100g	1.66	0.5-2.2
30	C8:0; Caprylic acid	SMSLA/GM/SOP/01	g/100g	0.94	0.4-1.5
Fatty	Acid Profile Trans Fatty Acids (TFA's)			
31	C18:2; Linolelaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	0.5
Sterol	s				
32	Cholesterol	SMSLA/GM/SOP/02	mg/100g	233.84	
Trace	Metal Elements				
33	Sodium	SMSLA/IS/SOP/05	mg/100g	Nil	
Vitam	ins- Fat Soluble				
34	Alpha Tocopherol (Vitamin E)	SMSLA/HC/SOP/28	mg/100g	2.8	
35	Retinol (Vitamin A)	SMSLA/HC/SOP/28	IU/100g	3069.0	
36	Vitamin D (D2+D3)	SMSLA/HC/SOP/28	mg/100g	98.12	
37	Vitamin K (K1+K2)	SMSLA/HC/SOP/28	mcg/100g	8.6	
Vitan	ins- Water Soluble				
38	Ascorbic acid (Vitamin C)	SMSLA/HC/SOP/27	mg/100g	BLQ(LOQ:0.50)	
39	Cyanocobalamine (Vitamin B12)	SMSLA/HC/SOP/27	mg/100g	BLQ(LOQ:0.50)	
	IS Screening				
40	Phytosterols	SMSLA/GM/SOP/12	T	Absent	
	xidant			L	L
41	ВНА	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	

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 ********/

Senior Chemist

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