



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

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Report No : FDC21070233-06

Report Date: 02 Aug 2021

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 : Customer Letter Dated 23.07.2021
Sample Identification : Batch No: QYA,
Manufacturing Date: 15.07.2021
Sample Quantity : 200g x 2No's
Sample Received on : 27 Jul 2021
Test Started on : 27 Jul 2021
Test Completed on : 02 Aug 2021

Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2021
Biological					
1	Coliform	ISO 4832	cfu/gm	<10	--
Antioxidants					
2	BHA	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	--
Chemical					
3	Baudouins test	FSSAI Manual 1	--	Negative	Negative
4	Butyro Refractometer Reading at 40°C	FSSAI Manual 1	--	42.3	41-44
5	Energy Value	SMSLA/FD/SOP/011	Kcal/100g	898.38	--
6	Free Fatty Acid as Oleic acid	FSSAI Manual 1	g/100g	0.246	NMT 3.0
7	Milk Fat	SMSLA/FD/SOP/047	g/100g	99.82	NLT 99.5
8	Moisture	FSSAI Manual 1	g/100g	0.18	NMT 0.5
9	Peroxide value	FSSAI Manual 1	meq/kg	Nil	--
10	Reichert Meissel value	FSSAI Manual 1	--	28.62	NLT 24.0
11	Vanaspathi	FSSAI Manual 1	--	Absent	--
12	Carbohydrate	FSSAI Manual 1	g/100g	Nil	--
13	Fat	SMSLA/FD/SOP/047	g/100g	99.82	--
14	Polenske Value	FSSAI Manual 1	--	1.35	--
Fatty Acid Profile					
15	Mono-unsaturated Fat	SMSLA/GM/SOP/01	g/100g	28.712	--
16	Polyunsaturated Fat	SMSLA/GM/SOP/01	g/100g	3.715	--
17	Saturated Fat	SMSLA/GM/SOP/01	g/100g	61.962	--
18	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
19	Omega- 3 Fatty Acids	SMSLA/GM/SOP/01	g/100g	0.64	--
20	Omega- 6 Fatty Acids	SMSLA/GM/SOP/01	g/100g	1.153	--

S. Anbarasan
Authorized Signatory- Biological

A. Kanagavel
Authorized Signatory- Chemical

Laboratory Address : 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.
Certified By : ISO 9001 & OHSAS 18001.

- * The results relate only to the items tested.
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New Amendment

Iodine - 25 - 38

Sulfamification }
value } 205 - 235

Beta Site Agrol - Alcohol

Saturated fatty acid

1. CH : O
- 2.



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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2021
Physical					
21	Colour	SMSLA/FD/SOP/033	--	Pale Yellow	--
22	Taste	SMSLA/FD/SOP/033	--	Pleasant	--
23	Appearance	SMSLA/FD/SOP/033	--	Pale yellow coloured Ghee	--
24	Odour	SMSLA/FD/SOP/033	--	Pleasant odour	--
25	Extraneous Matter	SMSLA/FD/SOP/015	--	Absent	--
Sterols					
26	Cholesterol	SMSLA/GM/SOP/02	mg/100g	234.2	--
Vitamins- Fat Soluble					
27	Vitamin A as Retinol	SMSLA/HC/SOP/28	mg/100g	0.79	--
28	Vitamin E (alpha Tocopherol)	SMSLA/HC/SOP/28	mg/100g	2.9	--
29	Vitamin K (K1+K2)	SMSLA/HC/SOP/28	mg/100g	8.7	--
30	Vitamin D (D2+D3)	SMSLA/HC/SOP/28	mg/100g	98.35	--
Vitamins- Water Soluble					
31	Vitamin B12 (Cobalamine)	SMSLA/HC/SOP/27	mg/100g	BLQ(LOQ:0.50)	--
32	Vitamin C (Ascorbic acid)	SMSLA/HC/SOP/27	mg/100g	BLQ(LOQ:0.50)	--
Minerals					
33	Sodium as Na	SMSLA/IS/SOP/05	mg/kg	BLQ(LOQ:5.0)	--
GC MS Screening					
34	Phytosterols	SMSLA/GM/SOP/12	--	Absent	--

Note : BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.
<10Cfu/g Can be taken as absent in 1:10 dilution. cfu-colony forming unit.

Remarks: The sample complies with the specification as per FSSR 2011, Amendment 2021 for the above tested parameters.

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

A. Kanagavel
Authorized Signatory - Chemical

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