



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Report No : FD20100409-01

Page 1 of 2
Report Date: 16 Oct 2020

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 08.10.2020
Sample Identification : Batch Coding No: QNR, PKD: 18.09.2020
Sample Drawn By : Customer
Sample Quantity : 200ml*2No's
Sample Received on : 10 Oct 2020
Test Started on : 10 Oct 2020
Test Completed on : 16 Oct 2020

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per Agmark Specification
Antioxidants					
1	BHA	SMSLA/HC/SOP/26	mg/kg	BLQ(LOQ:10.0)	--
Biological					
2	Coliform	IS: 5401 (Part 1)	cfu/gm	<10	--
Chemical					
3	Baudouins test	FSSAI Manual 1	--	Negative	Negative
4	Butyro Refractometer Reading at 40°C	FSSAI Manual 1	--	42.3	40.00 – 43.0
5	Carbohydrate	IS 1656	g/100g	Nil	--
6	Energy Value	SMSLA/FD/SOP/011	Kcal/100g	898.20	--
7	Fat	FSSAI Manual 1	g/100g	99.80	--
8	Free Fatty Acid as Oleic acid	FSSAI Manual 1	g/100g	0.41	NMT 2.50
9	Milk Fat	FSSAI Manual 1	g/100g	99.80	--
10	Moisture	FSSAI Manual 1	g/100g	0.200	NMT 0.3
11	Peroxide Value	FSSAI Manual 1	meq/Kg	Nil	--
12	Polenske value	FSSAI Manual 1	--	1.52	1.0 – 2.0
13	Reichert Meissel value	FSSAI Manual 1	--	28.61	NLT 28.0
14	Vanaspathi	FSSAI Manual 1	--	Absent	--
Fatty Acid Profile					
15	Mono-unsaturated Fat	SMSLA/GM/SOP/01	g/100g	26.63	--
16	Omega-3 Fatty Acids	SMSLA/GM/SOP/01	g/100g	0.21	--
17	Omega-6 Fatty Acids	SMSLA/GM/SOP/01	g/100g	1.48	--
18	Polyunsaturated Fat	SMSLA/GM/SOP/01	g/100g	1.69	--
19	Saturated Fat	SMSLA/GM/SOP/01	g/100g	71.48	--

A. Manikandan
Authorized Signatory - Chemical

S. Balaji
Authorized Signatory - Chemical

Laboratory Address : 39/6, Thiruvallur High Road , Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai 600 124.

Laboratory - Accredited By : NABL (TC-6118) ; Approved By : BIS ; Recognized By : APEDA, MoEF, FSSAI, AGMARK; Certified By : ISO 9001 & OHSAS 18001.

- ★ The results relate only to the items tested.
- ★ Reports shall not be reproduced except in full without the approval of the Laboratory.
- ★ The laboratory's responsibility under this report is limited to proven willful negligence and will in no case be more than the invoiced amount. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is / are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

Report No : FD20100409-01

Page 2 of 2
Report Date: 16 Oct 2020

S.NO	Parameter	Test Method	Unit	Results	Requirement as per Agmark specification
20	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
GC MS Screening-					
21	Phytosterols	SMSLA/GM/SOP/11	--	Absent	--
Minerals-					
22	Sodium as Na	SMSLA/IS/SOP/05	mg/100g	6.88	--
Physical-					
23	Appearance	SMSLA/FD/SOP/033	--	Yellow coloured semi solid with granular structure	--
24	Colour	SMSLA/FD/SOP/033	--	Yellow Colour	--
25	Extraneous Matter	SMSLA/FD/SOP/015	--	Absent	--
26	Odour	SMSLA/FD/SOP/033	--	Characteristic Odour	--
27	Taste	SMSLA/FD/SOP/033	--	Characteristic Taste	--
Sterols-					
28	Cholesterol	SMSLA/GM/SOP/02	mg/100g	42.5	--
Vitamins- Fat Soluble					
29	Vitamin A as Retinol	SMSLA/HC/SOP/28	IU/100g	3147.74	--
30	Vitamin D	SMSLA/HC/SOP/28	mg/100g	BLQ(LOQ:0.50)	--
31	Vitamin E (alpha Tocopherol)	SMSLA/HC/SOP/28	mg/100g	3.17	--
32	Vitamin K	SMSLA/HC/SOP/28	µg/100g	8.47	--
Vitamins- Water Soluble					
33	Vitamin B12 (Cobalamine)	SMSLA/HC/SOP/27	mg/100g	BLQ(LOQ:0.50)	--
34	Vitamin C (Ascorbic acid)	SMSLA/HC/SOP/27	mg/100g	BLQ(LOQ:0.50)	--

Remarks: The above sample complies with the specification as per Agmark for the above tested parameters.

Note: BLQ: Below Quantification Limit, LOQ: Limit of Quantification. *Non NABL Parameter.

<10Cfu/g Can be taken as absent in 1:10 dilution. cfu-colony forming unit.

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


A. Manikandan
Authorized Signatory - Chemical


S. Balaji
Authorized Signatory - Chemical

Laboratory Address : 39/6, Thiruvallur High Road , Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai 600 124.

Laboratory - Accredited By : NABL (TC-6118) ; Approved By : BIS ; Recognized By : APEDA, MoEF, FSSAI, AGMARK; Certified By : ISO 9001 & OHSAS 18001.

- ★ The results relate only to the items tested.
- ★ Reports shall not be reproduced except in full without the approval of the Laboratory.
- ★ The laboratory's responsibility under this report is limited to proven willful negligence and will in no case be more than the invoiced amount. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is / are said to be extracted.