

TEST REPORT

Lab Id No.: VAL/2606/180002

Report Date: 26-06-2026

Name & Address	Registration Date	Analysis Start Date	Analysis End Date
Bhajanlal Dairy Farm. Kaman Bhiwandi Rd, Chinchoti Naka, NH 48, Vasai-Virar,, Thane, Maharashtra, India - 401208	18-06-2026	18-06-2026	22-06-2026

Particulars of Sample Submitted

1) Sample Name: Ghee

2) Batch No/Lot No: Not Specified

4) Date of Collection: 12-06-2026

6) Sample Condition: Acceptable

8) Sampling Details: Not Applicable

10) Other Information: -

3) Sample Quantity: Approx. 100 gm.

5) Description: Sample packed in plastic container.

7) Sample Submitted By: Customer.

9) Sample Drawn By: Not Applicable

Analysis Results

Sr. No.	Test Parameter	Unit	Test Method	Test Result	Specification
Discipline - CHEMICAL					
Group - FOOD & AGRICULTURAL PRODUCTS					
1	Butyric acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	2.67	1 - 5
2	Caproic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	2.18	0.5 - 2.2
3	Capric Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	2.81	0.8 - 5
4	Undecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
5	Lauric acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	3.19	1.5 - 4
6	Tridecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
7	Pentadecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	1.22	Not Specified
8	Palmitic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	35.60	22 - 38
9	Heptadecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.69	Not Specified
10	Stearic Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	9.86	8 - 19
11	Arachidic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
12	Henicosanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
13	Behenic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
14	Tricosanoic Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
15	Lignoceric Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
16	Myristoleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	1.12	Not Specified
17	Palmitoleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	1.82	0.9 - 2.8
18	Oleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	20.50	19 - 32
19	cis-11-Eicosenoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
20	Erucic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
21	Nervonic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
22	cis-10-Heptadecenoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.33	Not Specified
23	Linoleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	1.92	0.5 - 3.5
24	Alfa Linolenic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.35	0.3 - 1.0
25	Gama Linolenic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
26	cis-11,14-Eicosadienoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
27	cis-8,11,14-Eicosatrienoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
28	cis -11-Eicosatrienoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
29	Arachidonic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
30	cis-13,16 Docosadienoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
31	cis-5,8,11,14,17-Eicosapentaenoic	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
32	cis-4,7,10,13,16,19-Docosahexaenoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified

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Sr. No.	Test Parameter	Unit	Test Method	Test Result	Specification
33	Elaidic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	2.63	Not Specified
34	Linolelagic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
35	Caprylic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	1.35	0.4 - 1.5
36	Myristic Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	11.47	6.0 - 13.0
37	cis-10-pentadecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.29	Not Specified
38	Free Fatty Acid (as oleic acid)	%	IS 548 (Part 1/Sec 2) : 2021	0.59	NMT-2.0
39	Turmeric	--	FSSAI Quick Test for some Adulterants in Food, (Part II) : 2012	Absent	*Absent
40	Starch	--	FSSAI Quick Test for some Adulterants in Food, (Part II) : 2012	Absent	*Absent
41	R M Value	--	IS 548 (Part 1/Sec 2) : 2021	28.73	NLT- 26.0 (under Maharaashtra, non cotton tract area)
42	Butyro Meter Reading (at 40°C)	--	IS 548 (Part 1/Sec 2) : 2021	43.0	40.0 to 43.0 (under Maharaashtra, non cotton tract area)
43	Baudouin Test	--	FSSAI 02.013:2021	Absent	Negative
44	Moisture	%	FSSAI 01.080:2022/ FSSAI 01.086:2022	0.13	NMT-0.5

Remarks:

- From the above values we confirm that the material **passes** in "Food safety & Standard act 2006, rules 2011" under clause 2.1.8 for Standard for Milk Fat Products (Ghee), Table 1 for The fatty acid composition of ghee as determined by GLC (expressed as % of total fatty acids) & *recommended limit in mentioned parameters only.



AUTHORIZED SIGNATORY
Mamta Chaudhari
Manager
(Chemical)



AUTHORIZED SIGNATORY
Ayesha Baig
Manager
(Chemical)

**** END OF REPORT ****



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Notes:

- Results pertain only to the sample tested. Test report shall not be reproduced except in full, without written approval of the Technical Manager.
- Sample(s) will be retained by us for a period of 15 days for non-perishable items only. Perishable items will be destroyed after completion of test.
- Subject to Thane Jurisdiction.
- ND - Not detected, BLQ- Below limit of quantification, NMT - Not more than, NLT - Not less than. BDL - Below Detection Limit.



TC Cert. & Scope

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Particulars of Sample Submitted

- | | |
|--|--|
| 1) Sample Name: Ghee | 3) Sample Quantity: Approx. 100 gm. |
| 2) Batch No/Lot No: Not Specified | 5) Description: Sample packed in plastic container. |
| 4) Date of Collection: 12-06-2026 | 7) Sample Submitted By: Customer. |
| 6) Sample Condition: Acceptable | 9) Sample Drawn By: Not Applicable |
| 8) Sampling Details: Not Applicable | |
| 10) Other Information: - | |

Analysis Results

Sr. No.	Test Parameter	Unit	Test Method	Test Result	Specification
Discipline - CHEMICAL Group - FOOD & AGRICULTURAL PRODUCTS					
1	Vegetable Fat	--	FSSAI Manual, Milk and Milk Products, Ch 1, S.NO.13.7: 2015	Absent	Absent

Remarks:

- From the above values we confirm that the material **passes** in "Food safety & Standard act 2006, rules 2011" under clause 2.1.8 for Standard for Milk Fat Products (Ghee), Table 1 for The fatty acid composition of ghee as determined by GLC (expressed as % of total fatty acids) & *recommended limit in mentioned parameters only.

Mheudhari

AUTHORIZED SIGNATORY
Mamta Chaudhari
Manager
(Chemical)

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