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VARNI ANALYTICAL LLP

Testing of Food, Water, Packaging Material,
Cosmetic Products & Ayurvedic Products

ISO/IEC 17025:2017, NABL Accredited Laboratory
ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified

TC-11939

AGMARK Approved
Reg.: 6353/3/MUM/001

ULR No.: TC1193926000029784

TEST REPORT

Lab Id No.: VAL/2608/040132 **Report Date:** 10-08-2026

Name & Address	Registration Date	Analysis Start Date	Analysis End Date
Kalpataru Neeldev Enterprises Unit No. 316, 3rd Flr, Globe Estate Next, Above Hotel Baari, Vikas Naka, New Kalyan Road, Dombivli (E) , Thane, Maharashtra, India - 421203	04-08-2026	04-08-2026	10-08-2026

Particulars of Sample Submitted

1) Sample Name: A2 Cow Ghee Bilona
2) Batch No/Lot No: BD/G26/22-07-26
3) Sample Quantity: Approx. 250 gm.
4) Date of Collection: 04-08-2026
5) Description: Sample packed in glass container.
6) Sample Condition: Acceptable
7) Sample Submitted By: Courier.
8) Sampling Details: NA
9) Sample Drawn By: NA
10) Other Information: --

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	1.51	1 - 5
2	Caproic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	1.62	0.5 - 2.2
3	Capric Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	2.59	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	3.75	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	1.11	Not Specified
8	Palmitic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	35.83	22 - 38
9	Heptadecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.43	Not Specified
10	Stearic Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	8.77	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	0.92	Not Specified
17	Palmitoleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.83	0.9 - 2.8
18	Oleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	24.19	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	ND<0.1	Not Specified
23	Linoleic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	3.41	0.5 - 3.5
24	Alfa Linolenic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	0.65	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	1.96	Not Specified
34	Linoleladic 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	1.17	0.4 - 1.5
36	Myristic Acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	11.24	6.0 - 13.0
37	cis-10-pentadecanoic acid	g/100g	IS 548 (Part 3/Sec 1) : 2021	ND<0.1	Not Specified
38	Free Fatty Acid (as oleic acid)	%	FSSAI 01.089:2022	0.32	NMT- 2.0
39	Peroxide Value	mEq/kg	FSSAI 01.094:2022	1.03	*NMT-10.0
40	Moisture	%	FSSAI 01.080:2022/ FSSAI 01.086:2022	0.13	NMT- 0.5
41	Fat	%	FSSAI 01.024:2022	99.87	Min- 99.5
42	Baudouin Test	--	FSSAI 02.013:2021	Absent	Negative
43	Butyro Meter Reading (at 40°C)	--	IS 548 (Part 1/Sec 2) : 2021	41.0	40.0 to 43.0 (under Maharaashtra, non cotton tract area)
44	Starch	--	FSSAI Quick Test for some Adulterants in Food, (Part II) : 2012	Absent	*Absent
45	R M Value	--	IS 548 (Part 1/Sec 2) : 2021	28.10	NLT- 26.0 (under Maharaashtra, non cotton tract area)
46	Turmeric	--	FSSAI Quick Test for some Adulterants in Food, (Part II) : 2012	Absent	*Absent
47	Saponification Value	mg of KOH/g	IS 548 (Part 1/Sec 2) : 2021	209.52	205 - 235
48	Iodine Value	g of I2/100g	IS 548 (Part 1/Sec 2) : 2021	28.52	25 - 38
49	Polenske Value	--	IS 548 (Part 1/Sec 2) : 2021	1.26	0.5 - 2.0

Remarks:

1. 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:

1. Results pertain only to the sample tested. Test report shall not be reproduced except in full, without written approval of the Technical Manager.
2. 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.
3. Subject to Thane Jurisdiction.
4. 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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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:

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AUTHORIZED SIGNATORY
Mamta Chaudhari
Manager
(Chemical)

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