

TEST REPORT

Issued to :

Umngot

18, Om Pearl, Sr.No. 8/3/2, Abhinav College
 Norhe, Pune, 411041
 Maharashtra, India

J.O. No. : O&F20260922-001-001
 ULR Code : TC5503 26 1 00006951 F
 Issue Date : 28-09-2026
 Sample Receipt Date : 22-09-2026
 Account Manager : BD Team 32
 Credit Manager : Vinod Gupta
 Quote No. & Date : BD32-004440 & 27-08-2026



Customer Provided Information:#

Nature/Name of the Sample

: Ghee

Laboratory Provided Information:

Sample Quantity & Packaging

: 1x300ml, Sealed Glass Jar

Date of Performance of Test

: 22nd - 28th Sep, 2026

Method of Sampling

: The Sample is provided by Umngot through Courier.



TC - 5503

Analysis Report

Physical Description : Light pale yellow color, acceptable flavor, free from rancidity, added flavoring substances suspended or foreign matter, separated water & Added coloring matter.

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Chemical Analysis					
1	Baudouin Test	-	Negative	Negative	IS 3508
2	Butyro-Refractometer Reading at 40°C	-	41.8	40.0 to 44.0	IS 3508
3	Cholesterol (One Tea Spoon)	mg/100g	187.24	Not Specified	FL/SOP/02-42
4	Free Fatty Acid (as Oleic Acid)	% by wt	0.49	NMT 2.0	IS 3508
5	Iodine value	-	32.90	25-38	IS 3508: 1966
6	Milk Fat	% by wt	99.77	NLT 99.5	FSSAI Manual For Dairy & Dairy Products
7	Moisture	% by wt	0.23	NMT 0.5	IS 3508
8	Peroxide value	meq/Kg	ND, [DL-0.09]	Not Specified	IS 3508
9	Polenske value	-	1.16	0.5-2.0	FSSAI Manual For Dairy & Dairy Products
10	Reichert Meissl Value	-	30.88	NLT 24.0	IS 3508
11	RM value	-	30.88	NLT 24.0	IS 3508
12	Saponification value	-	228.60	205-235	IS 3508: 1966
Nutritional Analysis					
1	Added Sugar	% by wt	ND, [DL-0.01]	Not Specified	FL/SOP/OC-29
2	Energy	kcal/100g	897.93	Not Specified	FL/SOP/OC-35
3	Protein	% by wt	ND, [DL-0.01]	Not Specified	FL/SOP/OC-45
4	Total Carbohydrate	% by wt	ND, [DL-0.01]	Not Specified	FL/SOP/OC-46
5	Total Fat	%	99.77	NLT 99.5	FSSAI Manual For Dairy & Dairy Products
6	Total sugars	% by Wt.	ND, [DL-0.01]	Not Specified	FL/SOP/OC-29
Adulteration					
1	Beta-sitosterol	-	Absent	Absent	FSSAI 01.097:2022

Authorised Signatory

Dr. Sammaiah Arukali

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Heavy Metals					
1	Arsenic	mg/kg	BLQ, (LOQ-0.02)	NMT 1.1	FL/SOP/12-04
2	Cadmium	mg/kg	BLQ, (LOQ-0.02)	NMT 1.5	FL/SOP/12-04
3	Copper	mg/kg	BLQ, (LOQ-0.05)	NMT 30	FL/SOP/12-04
4	Lead	mg/kg	BLQ, (LOQ-0.02)	NMT 0.02	FL/SOP/12-04
5	Mercury	mg/kg	BLQ, (LOQ-0.02)	NMT 1.0	FL/SOP/12-04
6	Methyl mercury as element	mg/kg	BLQ, (LOQ-0.02)	NMT 0.25	FL/SOP/12-04
7	Tin	mg/kg	BLQ, (LOQ-0.05)	NMT 250	FL/SOP/12-04

Authorised Signatory
 Mr. Jitendra Kumar

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Aflatoxins					
1	Aflatoxin M1	µg/kg	BLQ, (LOQ-0.015)	Not Specified	FL/SOP/04-01
Other Contaminants					
1	Melamine	mg/kg	BLQ, (LOQ-0.25)	NMT 2.5	FL/SOP/04-02
Pesticide Residues					
1	2,4-Dichlorophenoxy Acetic Acid	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
2	Acephate (expressed as mixture of Methamidophos & acephate)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
3	Acetamiprid	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
4	Azoxystrobin	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
5	Benomyl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/03-01
6	Bifenthrin	mg/kg	BLQ, (LOQ-0.005)	NMT 0.2	FL/SOP/05-01
7	Bitertanol	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
8	Buprofezin	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
9	Carbofuran (sum of carbofuran & 3-hydroxy carbofuran expressed as carbofuran)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
10	Carbaryl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
11	Carbendazim	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/03-01
12	Chlorantranilprole	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
13	Chlorothalonil	mg/kg	BLQ, (LOQ-0.005)	NMT 0.07	FL/SOP/05-01
14	Chlorpyrifos	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/05-01
15	Chlothianidin (Chlothianidin and its metabolites Thiazolymethylguanidine (TMG), Thiazolymethylurea (TZMU), Methylnitroguanidine (MNG) TMG)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
16	Cypermethrin (sum of isomers) (Fat soluble residue)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/05-01
17	Deltamethrin	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/05-01

Mithilesh Kumar

Authorised Signatory

Mr. Mithilesh Kumar, Scientist-B

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Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Pesticide Residues					
18	Dichlorvos (DDVP) (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/05-01
19	Difenoconazole	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
20	Dimethoate	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
21	Dinotefuran	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/03-01
22	Edifenphos	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
23	Emamectin Benzoate	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
24	Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.5	FL/SOP/05-01
25	Ethofenprox (Etofenprox)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
26	Fenpropathrin	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/05-01
27	Fenvalerate (Fat soluble residue)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/05-01
28	Fipronil	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
29	Flubendiamide	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/03-01
30	Flusilazole	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
31	Glufosinate Ammonium	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
32	Imidacloprid	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/03-01
33	Indoxacarb	mg/kg	BLQ, (LOQ-0.005)	NMT 0.1	FL/SOP/03-01
34	Kresoxim Methyl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/05-01
35	Methomyl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
36	Monocrotophos	mg/kg	BLQ, (LOQ-0.005)	NMT 0.02	FL/SOP/03-01
37	Mancozeb as CS2	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/05-04
38	Methyl Chlorophenoxy Acetic Acid (MCPA)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.04	FL/SOP/03-01
39	Metiram as CS2	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/05-04

Mithilesh Kumar

Authorised Signatory

Mr. Mithilesh Kumar, Scientist-B

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Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Pesticide Residues					
40	Metolachlor	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
41	Oxydemeton-Methyl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
42	Paraquat dichloride (Determined as Paraquatcations)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
43	Penconazole	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
44	Phenthoate	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/05-01
45	Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/05-01
46	Pirimiphos-methyl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/05-01
47	Propiconazole	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
48	Pyraclostrobin	mg/kg	BLQ, (LOQ-0.005)	NMT 0.03	FL/SOP/03-01
49	Tebuconazole	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
50	Thiacloprid	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
51	Thiamethoxam	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
52	Thiophanate-Methyl	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01
53	Triaccontanol	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
54	Triadimefon	mg/kg	BLQ, (LOQ-0.005)	NMT 0.01	FL/SOP/03-01
55	Trichlorfon	mg/kg	BLQ, (LOQ-0.005)	NMT 0.05	FL/SOP/03-01

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Fatty Acid Profile					
1	Butyric (C4:0)	% by wt	3.278	1.0-5.0	FL/SOP/02-45
2	Caproic (C6:0)	% by wt	1.14	0.5-2.2	FL/SOP/02-45
3	Caprylic (C8:0)	% by wt	0.748	0.4-1.5	FL/SOP/02-45
4	Capric (C10:0)	% by wt	1.734	0.8-5.0	FL/SOP/02-45
5	Undecanoic (C11:0)	% by wt	0.142	Not Specified	FL/SOP/02-45
6	Lauric Acid (C12:0)	% by wt	2.262	1.5-4	FL/SOP/02-45
7	Tridecanoic (C13:0)	% by wt	0.144	Not Specified	FL/SOP/02-45
8	Myristic (C14:0)	% by wt	10.491	6.0-13.0	FL/SOP/02-45
9	Myristoleic (C14:1)	% by wt	1.642	Not Specified	FL/SOP/02-45
10	Pentadecanoic (C15:0)	% by wt	1.22	Not Specified	FL/SOP/02-45
11	Pentadecanoic (C15:1)	% by wt	0.29	Not Specified	FL/SOP/02-45
12	Palmitic (C16:0)	% by wt	35.059	22-38	FL/SOP/02-45
13	Palmitoleic (C16:1)	% by wt	1.744	0.9-2.8	FL/SOP/02-45
14	Heptadecanoic (C17:0)	% by wt	0.587	Not Specified	FL/SOP/02-45
15	Cis-10 Heptadecanoic (C17:1)	% by wt	0.337	Not Specified	FL/SOP/02-45
16	Stearic (C18:0)	% by wt	10.258	8.0-19.0	FL/SOP/02-45
17	Petroselinic (C18:1 6C)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
18	Oleic (C18:1 9c)	% by wt	23.931	19-32	FL/SOP/02-45
19	Vaccenic (C18:1 11C)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
20	Linoleic (C18:2)	% by wt	1.14	0.5-3.5	FL/SOP/02-45
21	Alpha linolenic (C18:3)	% by wt	0.401	0.3-1.0	FL/SOP/02-45
22	Arachidic Acid (C20:0)	% by wt	0.198	Not Specified	FL/SOP/02-45
23	Eicosenoic (C20:1)	% by wt	0.863	Not Specified	FL/SOP/02-45
24	Eicosadenoic Acid (C20:2)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
25	Behenic (C22:0)	% by wt	0.132	Not Specified	FL/SOP/02-45

Authorised Signatory

Dr. Avneesh Rawat, Scientist-C

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Fatty Acid Profile					
26	Mono Unsaturated Fatty Acids	% by wt	29.00	Not Specified	FL/SOP/02-45
27	Omega 3 Fatty Acid	g/100g	0.401	Not Specified	FL/SOP/02-45
28	Omega 6 Fatty Acid	g/100g	1.14	Not Specified	FL/SOP/02-45
29	Poly Unsaturated Fatty Acids	g/100g	1.54	Not Specified	FL/SOP/02-45
30	Saturated Fatty Acids	g/100g	67.47	Not Specified	FL/SOP/02-45
Trans Fatty Acids					
1	Myristoleic (C14:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
2	Pentadecanoic (C15:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
3	Palmitoelaidic (C16:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
4	Heptadecanoic (C17:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
5	Elaidic (C18:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
6	Vaccenic (C18:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
7	Linolinate (C18:2 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
8	c-9, t-12 Linoleic (C18:2 trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
9	t-9, c-12 Linoleic (C18:2 trans)	% by wt	0.173	Not Specified	FL/SOP/02-45
10	Total Trans Fatty Acids	% by wt	1.99	Not Specified	FL/SOP/02-45

Authorised Signatory

Dr. Avneesh Rawat, Scientist-C

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NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report pertains only to the sample tested not for the whole lot. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance, and not for legal purposes, commercial decision, and for advertisement. Samples will be destroyed after 15 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability at FARELABS Pvt. Ltd. is limited to invoiced amount only. The recipient of this report is requested to kindly confirm with FARE Labs, the authenticity and genuineness of this report at report.confirmation@farelabs.com. FARE Labs is not responsible for any unconfirmed Test Report. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at feedback@farelabs.com and call at +91 9312664533.
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TEST REPORT

Issued to :

Umngot

18, Om Pearl, Sr.No. 8/3/2, Abhinav College
 Norhe, Pune, 411041
 Maharashtra, India

J.O. No. : O&F20260922-001-001
 ULR Code : TC5503 26 1 00006951 F
 Issue Date : 28-09-2026
 Sample Receipt Date : 22-09-2026
 Account Manager : BD Team 32
 Credit Manager : Vinod Gupta
 Quote No. & Date : BD32-004440 & 27-08-2026



Customer Provided Information:#

Nature/Name of the Sample

: Ghee

Laboratory Provided Information:

Sample Quantity & Packaging

: 1x300ml, Sealed Glass Jar

Date of Performance of Test

: 22nd - 28th Sep, 2026

Method of Sampling

: The Sample is provided by Umngot through Courier.



Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Microbiological Analysis					
1	E.coli	per g	Absent	Not Specified	IS: 5887 (P-1)
2	Staphylococcus aureus	per g	Absent	Not Specified	IS 5887 (P-2)
3	Salmonella sp.	per 25g	Absent	Not Specified	IS: 5887 (P-3): Sec 1
4	Total Coliform Count	cfu/g	<10	Not Specified	IS 5401 (P-1)
5	Total Plate Count (Aerobic Plate Count)	cfu/g	<10	Not Specified	IS: 5402 (P-1)
6	Yeast and Mould count	cfu/g	<10	Not Specified	IS: 5403

ND= Not Detected; **DL=** Detection Limit; **BLQ=** Below Limit of Quantification; **LOQ=** Limit of Quantification; **NMT=** Not More Than **NLT=** Not Less Than

Inference: The tested sample **conforms** to FSSR, 2011 w.r.t. above tests Only.

Note: This report is issued exclusively for domestic use and is not intended for export purposes.