

TEST REPORT

Issued to :

Yash Vardhan Maheshwari

Adani Samsara Villasa, J133 C, Third Floor, Sector 63
 Gurgaon-122002
 Haryana, India

J.O. No. : O&F20251127-005-006
 ULR Code : TC5503 25 1 00008375 F
 Issue Date : 01-12-2025
 Sample Receipt Date : 27-11-2025
 Account Manager : BD Team 1
 Credit Manager : Gulab/Septesh



Customer Provided Information:#

Nature/Name of the Sample

Laboratory Provided Information:

Sample Quantity & Packaging

: Ghee

Date of Performance of Test

: 1x200g, Sealed Glass Jar

Method of Sampling

: 27thNov - 01stDec, 2025

Sample Picked by

: FL/SOP/B/D-03

: Mr. Tribhuwan (FARE Labs Representative) at the premises of Yash Vardhan Maheshwari



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	--	42.5	40.0 to 44.0	IS 3508
3	Free Fatty Acid (as Oleic Acid)	% by wt	0.52	NMT 2.0	IS 3508
4	Milk Fat	% by wt	99.87	NLT 99.5	FSSAI Manual for Dairy & Dairy Products
5	Moisture	%	0.13	NMT 0.5	IS 3508
6	Peroxide value	meq/Kg	0.29	Not Specified	IS 3508
7	Polenske value	--	0.95	0.5-2.0	FSSAI Manual for Dairy & Dairy Products
8	Reichert Meissl Value	--	31.91	NLT 24	IS 3508
Adulteration					
1	Dalda	--	Negative	Negative	FSSAI Manual for Oils & Fats
2	Mashed Potato	--	Negative	Negative	FL/SOP/OC-90
3	Old Ghee	--	Negative	Negative	FSSAI Manual for Oils & Fats
4	Other Starch	--	Absent	Absent	FL/SOP/OC-90
5	Presence of vegetable fat	--	Absent	Absent	FSSAI 01.097:2022
6	Sweet Potato	--	Negative	Negative	FL/SOP/OC-90
7	Starch	--	Absent	Absent	FL/SOP/OC-90

Authorised Signatory

Mr. Piyush Jai Mallick, Scientist-C

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Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Fatty Acid Profile					
1	Butyric (C4:0)	% by wt	2.315	1.0-5.0	FL/SOP/02-45
2	Caproic (C6:0)	% by wt	1.684	0.5-2.2	FL/SOP/02-45
3	Caprylic (C8:0)	% by wt	0.989	0.4-1.5	FL/SOP/02-45
4	Capric (C10:0)	% by wt	2.008	0.8-5.0	FL/SOP/02-45
5	Undecanoic (C11:0)	% by wt	0.052	Not Specified	FL/SOP/02-45
6	Lauric Acid (C12:0)	% by wt	2.395	1.5-4	FL/SOP/02-45
7	Tridecanoic (C13:0)	% by wt	0.079	Not Specified	FL/SOP/02-45
8	Myristic (C14:0)	% by wt	9.706	6.0-13.0	FL/SOP/02-45
9	Myristoleic (C14:1)	% by wt	0.911	Not Specified	FL/SOP/02-45
10	Pentadecanoic (C15:0)	% by wt	1.218	Not Specified	FL/SOP/02-45
11	Pentadecanoic (C15:1)	% by wt	0.362	Not Specified	FL/SOP/02-45
12	Palmitic (C16:0)	% by wt	31.476	22-38	FL/SOP/02-45
13	Palmitoleic (C16:1)	% by wt	2.033	0.9-2.8	FL/SOP/02-45
14	Heptadecanoic (C17:0)	% by wt	0.745	Not Specified	FL/SOP/02-45
15	Cis-10 Heptadecanoic (C17:1)	% by wt	0.288	Not Specified	FL/SOP/02-45
16	Stearic (C18:0)	% by wt	13.236	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	24.28	19-32	FL/SOP/02-45
19	Vaccanic (C18:1 11C)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
20	Linoleic (C18:2)	% by wt	2.241	0.5-3.5	FL/SOP/02-45
21	Alpha linolenic (C18:3)	% by wt	0.309	0.3-1.0	FL/SOP/02-45
22	Arachidic Acid (C20:0)	% by wt	0.273	Not Specified	FL/SOP/02-45
23	Eicosenoic (C20:1)	% by wt	0.08	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	0.13	Not Specified	FL/SOP/02-45

Trans Fatty Acids

Authorised Signatory

Dr. Sammaiah Arukali

Page 2 of 3

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TC - 5503

Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
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	2.896	Not Specified	FL/SOP/02-45
6	Vaccenic (C18:1 Trans)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
7	Linolide (C18:2 Trans)	% by wt	0.18	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	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
10	Total Trans Fatty Acids	% by wt	3.08	Not Specified	FL/SOP/02-45

ND= Not Detected; **DL**= Detection Limit; **NMT**= Not More Than

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

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Page 3 of 3

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*****End of Report*****