



ULR-TC550926000021836F

TEST REPORT

Sample ID : F/09/26/0154	Report No. F/09/26/0154	Report Date	09/09/2026
Name and address of Customer	Istore Direct Trading Pvt. Ltd. B3, B4, B5, Floor-B, Plot 405/406,7C, Basement, Kamanwala Chambers, Moghul Lane, New Udyog Mandir 2, Mahim (West), Mumbai-400016, Greater Mumbai, Maharashtra		
Sample Drawn by	Customer	Sample Description / Type	A2 Ghee (Food- Milk Product)
Sample Identification/Brand Name/ Batch No./Best before Date	Batch No.: B30G26F78 Product Category: 02.1.1 Mfg Date: 30.07.2026 Exp Date: 29.07.2027	Date - Receipt of Sample	02/09/2026
Sample Quantity / Packing	490 g x 1 no. glass bottle	Date - Start of Analysis	02/09/2026
Order Reference	Test Request No.: AEC/TR/09/2026/093 Dated: 02.09.2026	Date - Completion of Analysis	08/09/2026

Sr. No.	Parameter	Result	Limits as per FSSR, 2011	Unit	Method
Chemical Testing; Group: Food and Agricultural Products, Residues and Contaminants in Food and Agricultural Products					
Quality Parameters					
1	Moisture	0.19	Max. 0.5	% (m/m)	Manual of methods of Analysis of Foods Dairy & dairy products, FSSAI 01.086, page no. 233 to 234:2022
2	Milk Fat	99.8	Min. 99.5	% (m/m)	Manual of methods of Analysis of Foods Dairy & dairy products, FSSAI 01.087, page no.235 to 236:2022
3	Butyro Refractometer reading at 40°C	41.5	40 - 44	-	IS 548 (Part I/Sec I) : 2021
4	Reichert Meissl value	28.7	Min. 24	-	Manual of methods of Analysis of Foods Dairy & dairy products, FSSAI 01.090: 2022, page no. 243 to 248
5	Polenske Value	0.78	0.5 -2.0	-	Manual of methods of Analysis of Foods Dairy & dairy products, FSSAI 01.090, page no. 243 to 248: 2022
6	Free Fatty Acid (as Oleic acid)	0.21	Max. 2	%	IS 548 (Part I/Sec I):2021
7	Peroxide value	0.50	Not specified	meq/kg	IS 548 (Part I): 2021
8	Baudouin test	Negative	Negative	-	Manual of methods of Analysis of Foods Dairy & dairy products, FSSAI 01.091, page no. 249 to 250: 2022





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9	Iodine Value	29.9	25 - 38	-	IS 548 (Part I):2021
10	Saponification value	228	205 - 235	-	IS 548 (Part I):2021
11	Beta-Sitosterol	Absent	Absent	mg/kg	AEC/C/SAP/INS/1A-22
Fatty Acid Composition					
12	Saturated Fatty Acids	69.4	Not specified	g/100g	AEC/C/SAP/INS/5-24
13	Monounsaturated Fatty Acids	25.7	Not specified	g/100g	AEC/C/SAP/INS/5-24
14	Polyunsaturated Fatty Acids	2.04	Not specified	g/100g	AEC/C/SAP/INS/5-24
15	Total Trans Fatty Acids	2.85	Not specified	g/100g	AEC/C/SAP/INS/5-24
16	C4:0, Butyric acid	2.29	1 - 5	g/100g	AEC/C/SAP/INS/5-24
17	C6:0, Hexanoic acid (Caproic acid)	1.48	0.5 - 2.2	g/100g	AEC/C/SAP/INS/5-24
18	C8:0, Octanoic acid (Caprylic acid)	0.866	0.4 - 1.5	g/100g	AEC/C/SAP/INS/5-24
19	C10:0, Decanoic acid (Capric acid)	1.99	0.8 - 5	g/100g	AEC/C/SAP/INS/5-24
20	C12:0, Dodecanoic acid (Lauric acid)	2.31	1.5 - 4	g/100g	AEC/C/SAP/INS/5-24
21	C14:0, Tetradecanoic acid (Myristic acid)	10.2	6 - 13	g/100g	AEC/C/SAP/INS/5-24
22	C16:0, Hexadecanoic acid (Palmitic acid)	36.9	22 - 38	g/100g	AEC/C/SAP/INS/5-24
23	C18:0, Octadecanoic acid (Stearic acid)	11.0	8 - 19	g/100g	AEC/C/SAP/INS/5-24
24	C16:1, (Cis 9), (Hexadecanoic acid (Palmitoleic acid)	2.21	0.9 - 2.8	g/100g	AEC/C/SAP/INS/5-24
25	C18:1, (cis 9) 9-Octadecenoic acid (Oleic acid)	22.2	19 - 32	g/100g	AEC/C/SAP/INS/5-24
26	C18:2 (cis 9,12) 9,12-Octadecadienoic acid (Linoleic acid)	1.59	0.5 - 3.5	g/100g	AEC/C/SAP/INS/5-24
27	C18:3 (cis 9,12,15) 9,12,15-Octadecatrienoic acid	0.304	0.3 - 1.0	g/100g	AEC/C/SAP/INS/5-24
Metal Contaminants					
28	Lead (as Pb)	BLQ (LOQ:0.01)	Max. 0.02	mg/kg	AEC/C/SAP/INS/7-I
29	Copper (as Cu)	BLQ (LOQ:0.5)	Max. 30	mg/kg	AEC/C/SAP/INS/7-I





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30	Arsenic (as As)	BLQ (LOQ:0.05)	Max. 1.1	mg/kg	AEC/C/SAP/INS/7-I
31	Tin (as Sn)	BLQ (LOQ:0.05)	Max. 250	mg/kg	AEC/C/SAP/INS/7-I
32	Cadmium (as Cd)	BLQ (LOQ:0.02)	Max. 1.5	mg/kg	AEC/C/SAP/INS/7-I
33	Mercury (as Hg)	BLQ (LOQ:0.01)	Max. 1	mg/kg	AEC/C/SAP/INS/7-I
Pesticide Residues					
34	2,4-Dichlorophenoxy Acetic Acid	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-3
35	Acephate (expressed as mixture of Methamidophos and acephate)	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/1-I
36	Acetamiprid	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/1-I
37	Azoxystrobin	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-I
38	Bifenthrin	BLQ (LOQ:0.005)	Max. 0.2	mg/kg	AEC/C/SAP/INS/6-I
39	Bitertanol	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-I
40	Buprofezin	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-I
41	Carbaryl	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-I
42	Carbendazim	BLQ (LOQ:0.005)	Max. 0.1 (F)	mg/kg	AEC/C/SAP/INS/1-I
43	Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)	BLQ (LOQ:0.005)	Max. 0.05 (F)	mg/kg	AEC/C/SAP/INS/1-I
44	Chlothianidin (Chlothianidin and its metabolites Thiazolymethylguanidine (TMG), Thiazolymethylurea (TZMU), Methylnitroguanidine (MNG) TMG)	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/1-I
45	Chlorantraniliprole	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-I





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46	Chlorothalonil	BLQ (LOQ:0.005)	Max. 0.07	mg/kg	AEC/C/SAP/INS/G-I
47	Chlorpyrifos	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/G-I
48	Cypermethrin	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/G-I
49	Deltamethrin (Decamethrin)	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/G-I
50	Dichlorvos (DDVP) (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/G-I
51	Difenoconazole	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/I-I
52	Dimethoate	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/I-I
53	Dinotefuran	BLQ (LOQ:0.005)	Max. 0.1	mg/kg	AEC/C/SAP/INS/I-I
54	Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram collectively estimated as CS2)	BLQ (LOQ:0.01)	Max. 0.05	mg/kg	AEC/C/SAP/INS/G-4
55	Edifenphos	BLQ (LOQ:0.005)	Max. 0.01 (F)	mg/kg	AEC/C/SAP/INS/I-I
56	Emamectin Benzoate	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/I-I
57	Ethion(Residues to be determined as ethion and its oxygen analogue and expressed as ethion)	BLQ (LOQ:0.005)	Max. 0.5 (F)	mg/kg	AEC/C/SAP/INS/G-I
58	Ethofenprox (Etofenprox)	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/G-I
59	Fenpropathrin	BLQ (LOQ:0.005)	Max. 0.1	mg/kg	AEC/C/SAP/INS/G-I
60	Fenvalerate (fat soluble residue)	BLQ (LOQ:0.005)	Max. 0.01 (F)	mg/kg	AEC/C/SAP/INS/G-I
61	Fipronil	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/I-I





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62	Flubendiamide	BLQ (LOQ:0.005)	Max. 0.1	mg/kg	AEC/C/SAP/INS/1-1
63	Flusilazole	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-1
64	Glufosinate Ammonium	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/1-5
65	Indoxacarb	BLQ (LOQ:0.005)	Max. 0.1	mg/kg	AEC/C/SAP/INS/1-1
66	Imidacloprid	BLQ (LOQ:0.005)	Max. 0.1	mg/kg	AEC/C/SAP/INS/1-1
67	Phenthoate	BLQ (LOQ:0.005)	Max. 0.01 (F)	mg/kg	AEC/C/SAP/INS/1-1
68	Kresoxim Methyl	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
69	Monocrotophos	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/1-1
70	Methomyl	BLQ (LOQ:0.005)	Max. 0.02	mg/kg	AEC/C/SAP/INS/1-1
71	Methyl Chlorophenoxy Acetic Acid (MCPA)	BLQ (LOQ:0.005)	Max. 0.04	mg/kg	AEC/C/SAP/INS/1-3
72	Metolachlor	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
73	Oxydemeton Methyl	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
74	Paraquat dichloride (Determined as Paraquatcations)	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-3
75	Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)	BLQ (LOQ:0.005)	Max. 0.05 (F)	mg/kg	AEC/C/SAP/INS/1-1
76	Penconazole	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
77	Propiconazole	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
78	Pirimiphos methyl	BLQ (LOQ:0.005)	Max. 0.05 (F)	mg/kg	AEC/C/SAP/INS/1-1
79	Pyraclostrobin	BLQ (LOQ:0.005)	Max. 0.03	mg/kg	AEC/C/SAP/INS/1-1





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80	Sum of benomyl and carbendazim expressed as carbendazim	BLQ (LOQ:0.005)	Max. 0.1 (F)	mg/kg	AEC/C/SAP/INS/1-1
81	Tebuconazole	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
82	Thiacloprid	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-1
83	Thiophanate Methyl	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-1
84	Triadimefon	BLQ (LOQ:0.005)	Max. 0.01	mg/kg	AEC/C/SAP/INS/1-1
85	Thiamethoxam	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-1
86	Triacantanol	BLQ (LOQ:0.01)	Max.0.01	mg/kg	AEC/C/SAP/INS/6-18
87	Trichlorfon	BLQ (LOQ:0.005)	Max. 0.05	mg/kg	AEC/C/SAP/INS/1-1

Other Contaminants

88	Melamine	BLQ (LOQ:0.01)	Max. 2.5	mg/kg	AEC/C/SAP/INS/1-6
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BLQ: Below Limit of Quantification, LOQ: Limit of Quantification, FSSR: Food Safety and Standards Regulations.
Remark: The analysed food sample results are within the specified limits (wherever specified) of Food Safety and Standards (Food Products and Food Additives) Regulations, 2011 (Chapter 2, 2.1.8) & Food Safety and Standards (Contaminants, Toxins and Residues) Regulations, 2011 (Chapter 2, 2.1, 2.3, 2.5) with respect to the parameters tested.

Ninad Soundankar

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

----- End of Report -----

Note:

1. The result listed refer only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.
3. In case sampling is not done by laboratory, the results apply to the sample as received.
4. There are no additions to, deviations or exclusions from the method.

