



## TEST REPORT

<b>Sample Description</b>	Ghee		
<b>Report No.</b>	UNBS/NNF/25/08/30-03	<b>Batch No</b>	NA
<b>Received Date</b>	30-08-2025	<b>MFG Date</b>	NA
<b>Start of Analysis</b>	30-08-2025	<b>Exp Date</b>	NA
<b>End of Analysis</b>	03-09-2025	<b>Sample Condition</b>	Ok
<b>Report Release Date</b>	03-09-2025	<b>Sample Qty. (Appx)</b>	500 ml
<b>Sample Group</b>	Food & Agriculture Products		
<b>Sample Submitted By</b>	SURBHI GOU UTPAD EVAM SWADESHI KENDRA 26, DHENU KRIPA DADHICHI NAGAR, SHITALA KA BASS SIKAR 332001		
<b>Test Report Issued To</b>	SURBHI GOU UTPAD EVAM SWADESHI KENDRA 26, DHENU KRIPA DADHICHI NAGAR, SHITALA KA BASS SIKAR 332001		

### Sample Particular

Sr.No.	Parameters	Units	Result	Limit	Methods
1	Milk Fat	%	99.86	99.5 Min	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.087:2022
2	Moisture	%	0.13	0.5 Max	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.086:2022
3	B.R Reading at 40 °C	-	41.5	40.0 - 44.0	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.088:2022
4	Free Fatty Acid (as Oleic Acid)	%	0.36	2.0 Max	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.089:2022
5	Reichert Meissi Value	-	28.19	24.0 Min	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.090:2022
6	Polenske Value	-	1.21	0.5 – 2.0	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.090:2022
7	Saponification Value	-	228.06	205 - 235	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.096:2022

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8	Iodine value	-	30.61	25 - 38	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.095:2022
9	Baudouin Test	-	Negative	Negative	FSSAI Manual of Methods of Analysis of Foods-Dairy and Dairy products,2022 Method No. FSSAI 01.091:2022
<b>Heavy Metals:</b>					
1	Lead (as Pb)	mg/kg	ND	---	UNBS/STP/78
2	Copper (as Cu)	mg/kg	ND	---	UNBS/STP/78
3	Arsenic (as As)	mg/kg	ND	---	UNBS/STP/78
4	Tin (as Sn)	mg/kg	ND	---	UNBS/STP/78
5	Zinc (as Zn)	mg/kg	ND	---	UNBS/STP/78
6	Cadmium (as Cd)	mg/kg	ND	---	UNBS/STP/78
7	Mercury (as Hg)	mg/kg	ND	---	UNBS/STP/78
8	Methyl Mercury	mg/kg	ND	---	UNBS/STP/78

### Other Contaminants:

1	Aflatoxin M1	µg/kg	ND	---	UNBS/STP/133
2	Melamine	mg/kg	ND	2.5 Max	UNBS/STP/99

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Pesticides Residues:(mg/kg)					
1	2,4- Dichlorophenoxy acetic acid	mg/kg	ND	NMT-0.05	UNBS/STP/92
2	Acephate (expressed as mixture of methamidophos and acephate)	mg/kg	ND	NMT-0.02	UNBS/STP/92
3	Acetamiprid	mg/kg	ND	NMT-0.02	UNBS/STP/92
4	Azoxystrobin	mg/kg	ND	NMT-0.01	UNBS/STP/92
5	Sum of benomyl and carbendazim expressed as carbendazim	mg/kg	ND	NMT-0.1	UNBS/STP/92
6	Befenthrin	mg/kg	ND	NMT-0.2	UNBS/STP/92
7	Bitertanol	mg/kg	ND	NMT-0.05	UNBS/STP/92
8	Buprofezin	mg/kg	ND	NMT-0.01	UNBS/STP/92
9	Carbaryl	mg/kg	ND	NMT-0.05	UNBS/STP/92
10	Carbendazim	mg/kg	ND	NMT-0.1	UNBS/STP/92
11	Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)	mg/kg	ND	NMT-0.05	UNBS/STP/92
12	Chlorantraniliprole	mg/kg	ND	NMT-0.05	UNBS/STP/92
13	Chlorothalonil	mg/kg	ND	NMT-0.07	UNBS/STP/92
14	Chlorpyrifos	mg/kg	ND	NMT-0.02	UNBS/STP/92
15	Chlothianidin (Chlothianidin and its metabolites thiazolymethylguanidine (TMG), Thiazolymethylurea (TZMU), Methylnitroguanidine (MNG) TMG)	mg/kg	ND	NMT-0.02	UNBS/STP/92
16	Cypermethrin (sum of isomers) (Fat soluble residue)	mg/kg	ND	NMT-0.05	UNBS/STP/92
17	Deltamethrin (Decamethrin)	mg/kg	ND	NMT-0.05	UNBS/STP/92
18	Dichlorovos (DDVP) (content of dichloroacetaldehyde (D.C.A)	mg/kg	ND	NMT-0.01	UNBS/STP/92
19	Difenoconazole	mg/kg	ND	NMT-0.02	UNBS/STP/92
20	Dimethoate	mg/kg	ND	NMT-0.05	UNBS/STP/92

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21	Dinotefuran	mg/kg	ND	NMT-0.1	UNBS/STP/92
22	Mancozeb	mg/kg	ND	NMT-0.05	UNBS/STP/92
23	Metiram as CS2	mg/kg	ND	NMT-0.05	UNBS/STP/92
24	Edifenphos	mg/kg	ND	NMT-0.01	UNBS/STP/92
25	Emamectin benzoate	mg/kg	ND	NMT-0.01	UNBS/STP/92
26	Ethion (residue to be determined as ethion and its oxygen analogue and expressed as ethion)	mg/kg	ND	NMT-0.5	UNBS/STP/92
27	Ethofenprox	mg/kg	ND	NMT-0.02	UNBS/STP/92
28	Fenpropathrin	mg/kg	ND	NMT-0.1	UNBS/STP/92
29	Fenvalerate (fat soluble residue)	mg/kg	ND	NMT-0.01	UNBS/STP/92
30	Fipronil	mg/kg	ND	NMT-0.02	UNBS/STP/92
31	Flubendiamide	mg/kg	ND	NMT-0.1	UNBS/STP/92
32	Flusilazole	mg/kg	ND	NMT-0.05	UNBS/STP/92
33	Glufosinate ammonium	mg/kg	ND	NMT-0.02	UNBS/STP/92
34	Glyphosate	mg/kg	ND	NMT-0.05	UNBS/STP/92
35	Imidacloprid	mg/kg	ND	NMT-0.1	UNBS/STP/92
36	Indoxacarb	mg/kg	ND	NMT-0.1	UNBS/STP/92
37	Kresoxim methyl	mg/kg	ND	NMT-0.01	UNBS/STP/92
38	Methomyl	mg/kg	ND	NMT-0.02	UNBS/STP/92
39	Methyl chlorophenoxy acetic (MCPA)	mg/kg	ND	NMT-0.04	UNBS/STP/92
40	Methyl parathion (combined residues of methyl parathion and its oxygen analogue to be determined and expressed as methyl parathion)	mg/kg	ND	NMT-0.01	UNBS/STP/92
41	Monocrotophos	mg/kg	ND	NMT-0.02	UNBS/STP/92
42	Oxydemeton-methyl	mg/kg	ND	NMT-0.01	UNBS/STP/92
43	Paraquat dichloride (Determined as paraquatocations)	mg/kg	ND	NMT-0.01	UNBS/STP/92

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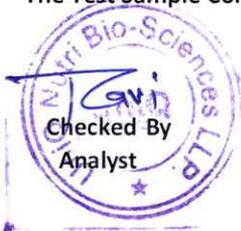
44	Penconazole	mg/kg	ND	NMT-0.01	UNBS/STP/92
45	Phenothoate	mg/kg	ND	NMT-0.01	UNBS/STP/92
46	Phorate (sum of phorate its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)	mg/kg	ND	NMT-0.05	UNBS/STP/92
47	Pirimiphos-methyl	mg/kg	ND	NMT-0.05	UNBS/STP/92
48	Propiconazole	mg/kg	ND	NMT-0.01	UNBS/STP/92
49	Pyraclostrobin	mg/kg	ND	NMT-0.03	UNBS/STP/92
50	Tebuconazole	mg/kg	ND	NMT-0.01	UNBS/STP/92
51	Thiacloprid	mg/kg	ND	NMT-0.05	UNBS/STP/92
52	Thiamethoxam	mg/kg	ND	NMT-0.05	UNBS/STP/92
53	Thiophanate-methyl	mg/kg	ND	NMT-0.05	UNBS/STP/92
54	Trichlorfon	mg/kg	ND	NMT-0.05	UNBS/STP/92
55	Triacantanol	mg/kg	ND	NMT-0.01	UNBS/STP/92
56	Triadimefon	mg/kg	ND	NMT-0.01	UNBS/STP/92

### Microbiological Analysis:

1	Total Plate Count	cfu/g	310	NA	IS: 5402 (P-1)
2	Yeast & Mould	cfu/g	<10	<10	IS: 5403
3	E. coli	cfu/g	Absent	Absent	IS 5887 (P-1)
4	Salmonella	Per 25 g	Absent	Absent	IS: 5887 (P-3) Sec.1
5	Staphylococcus aureus	cfu/g	Absent	Absent	IS: 5887 (P-8) Sec.1

Remarks: BLQ = Below Limit of Quantification, LOQ = Limit of Quantification

The Test Sample Conforms as per FSSR, 2011 W.R.T. Above tests only



/\*\*\*\*\* End of the Report \*\*\*\*\*/



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