



Test Report No. INCHE26017470306110335 ULR No. : TC805726000006582F Report Issue Date: 06 Mar 2026

TEST REPORT

Report Issued To: Kshetra Veda Pvt Ltd			
13-130/5, Bhagyanagar COLony, Shadnagar, Ranga Reddy - Telangana, 509216, India			
Discipline :	Chemical	Group :	Food and Agricultural Products, Residues
BV Sample ID :	2697149		In Food Products
Sample Name** :	A2 Desi GIR Cow Bilona Ghee	Sample receipt date :	19 Feb 2026
Sample condition on receipt :	Good	Date of registration :	19 Feb 2026
Sample quantity / Package** :	500g X 1No	Date of commencing of testing :	21 Feb 2026
		Date of completion of testing :	05 Mar 2026
		Other information** :	Sample Id : 00043651
Sample Information:	Sample Submitted By Customer		

No.	Test Parameters	Unit	Test Results	Limits as Per Food Safety and Standards Regulations 2011	Test Method	LOQ
Chemical (Discipline: Chemical)						
1	Moisture	g/100g	0.19	0.5 Max	FSSAI 01.086:2022	0.02
2	Milk Fat	g/100g	99.81	99.5 min	FSSAI 01.087:2022	0.1
3	Butyrefractometer reading at 40°C	-	42.70	40.0 to 44.0	FSSAI 01.088:2022	30
4	Reichert Messel value	-	28.08	24.0 min	FSSAI 01.090:2022	1
5	Polenske value	-	1.63	0.5 - 2.0	FSSAI 01.090:2022	0.2
6	FFA as oleic acid	g/100g	0.23	2.0 Max	FSSAI 01.089:2022	0.1
7	Baudouins Test	-	Absent	Negative	FSSAI 01.091:2022	Qualitative
8	Iodine value	-	32.94	25-38	FSSAI 01.095:2022	5
9	Saponification value	-	214.00	205-235	FSSAI 01.096:2022	10
10	Presence of β sitosterol	-	absent	Absent	FSSAI 01.097:2022	Qualitative
Metals						
11	Arsenic	mg/kg	BLQ	Max 1.1	BVILCH/INS/SOP-054 by ICP - MS	0.05
12	Cadmium	mg/kg	BLQ	Max 1.5	BVILCH/INS/SOP-054 by ICP - MS	0.05
13	Copper	mg/kg	0.27	Max 30	BVILCH/INS/SOP-054 by ICP - MS	0.05
14	Lead	mg/kg	BLQ	Max 2.5	BVILCH/INS/SOP-054 by ICP - MS	0.05
15	Mercury	mg/kg	BLQ	Max 1.0	BVILCH/INS/SOP-054 by ICP - MS	0.05
16	Tin	mg/kg	BLQ	Max 250	BVILCH/INS/SOP-054 by ICP - MS	0.05
Other Contaminants						
17	Melamine	mg/kg	BLQ	2.5	BVILCH/INS/SOP/107	0.5
Saturated Fatty Acid						
18	Butyric acid, C4:0	%	2.01	1-5	AOAC 996.06	0.1
19	Caproic acid, C6:0	%	1.16	0.5-2.2	AOAC 996.06	0.1
20	Caprylic acid, C8:0	%	0.73	0.4-1.5	AOAC 996.06	0.1
21	Capric acid, C10:0	%	1.53	0.8-5	AOAC 996.06	0.1
22	Lauric acid, C12:0	%	2.00	1.5-4	AOAC 996.06	0.1
23	Myristic acid, C14:0	%	7.93	6-13	AOAC 996.06	0.1
24	Palmitic acid, C16:0	%	37.85	22-38	AOAC 996.06	0.1
25	Stearic acid, C18:0	%	11.78	8-19	AOAC 996.06	0.1
Mono Unsaturated Fatty Acid						
26	Palmitoleic acid, C16:1(Cis 9)	%	1.09	0.9-2.8	AOAC 996.06	0.1



Report Issue Date: 06 Mar 2026

27	Oleic acid, C18:1(Cis 9)	%	25.95	19-32	AOAC 996.06	0.1
28	Linoleic acid, C18:2(Cis 9,12)	%	3.36	0.5-3.5	AOAC 996.06	0.1
29	Alpha-linoleic acid,C18:3(Cis 9,12,15)	%	0.57	0.3-1.0	AOAC 996.06	0.1
Adulterants Test						
30	Starch	-	Absent	Absent	FSSAI 01.003:2022	Qualitative

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification
 ** Indicates information supplied by the customer for which the laboratory has no control
 Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

V. g. K.

V.Sivakumar
Deputy Manager

Authorized Signatory

Q. 1 km

D.Karthikeyan
Manager-Instrumentation

Authorized Signatory

L. Kathy

G Kathiravan
Senior Chemist





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No.	Test Parameters	Unit	Test Results	Limits as Per Food Safety and Standards Regulations 2011	Test Method	LOQ
Metals						
31	Methyl Mercury calculated as the element	mg/kg	BLQ	Max 0.25	BVILCH/INS/SOP-054 by ICP - MS	0.05

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification
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Note: SAMPLE TESTED AS RECEIVED

Remarks :
Remarks: The sample meets the requirement of as per FSSR 2011 Specification with respect to above parameters tested only.

Authorized Signatory



V.Sivakumar
Deputy Manager

Authorized Signatory



D.Karthikeyan
Manager-Instrumentation

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--- End of Report ---



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Test Report No. INCHE26017470306110349

ULR No. : TC805726000006583F

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TEST REPORT

Report Issued To: Kshetra Veda Pvt Ltd			
13-130/5, Bhagyanagar COLony, Shadnagar, Ranga Reddy - Telangana, 509216, India			
Discipline :	Chemical	Group :	Residues In Food Products
BV Sample ID :	2697150	Sample receipt date :	19 Feb 2026
Sample Name** :	A2 Desi GIR Cow Bilona Ghee	Date of registration :	19 Feb 2026
Sample condition on receipt :	Good	Date of commencing of testing :	21 Feb 2026
Sample quantity / Package** :	500g X 1No	Date of completion of testing :	05 Mar 2026
		Other information** :	Sample Id : 00043652

Sample Information:	Sample Submitted By Customer
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No.	Test Parameters	Unit	Test Results	Limits as per Food Safety and Standards Regulations 2011	Test Method	LOQ
Pesticide Residues (Discipline: Chemical)						
1	2,4 D	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.010
2	Acephate	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
3	Acetamiprid	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
4	Azoxystrobin	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
5	Bifenthrin	mg/kg	BLQ	Max 0.2	BVILCH/INS/SOP- 033	0.005
6	Bitertanol	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
7	Buprofezin	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
8	Carbaryl	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
9	Carbendazim	mg/kg	BLQ	Max 0.1	BVILCH/INS/SOP- 033	0.005
10	Carbofuran	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
11	Chlorantraniliprole	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
12	Chlorothalonil	mg/kg	BLQ	Max 0.07	BVILCH/INS/SOP- 033	0.005
13	Chlorpyrifos	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
14	Clothianidin	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
15	Cypermethrin (Sum of Isomers)	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
16	Deltamethrin	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
17	Dichlorvos	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
18	Difenoconazole	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
19	Dimethoate	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
20	Dinotefuran	mg/kg	BLQ	Max 0.1	BVILCH/INS/SOP- 033	0.005
21	Edifenphos	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
22	Emamectin benzoate	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
23	Ethion	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
24	Ethofenprox	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
25	Fenpropathrin	mg/kg	BLQ	Max 0.1	BVILCH/INS/SOP- 033	0.005
26	Fenvalerate	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
27	Fipronil	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
28	Flubendiamide	mg/kg	BLQ	Max 0.1	BVILCH/INS/SOP- 033	0.005
29	Flusilazole	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
30	Glufosinate Ammonium	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.010
31	Imidacloprid	mg/kg	BLQ	Max 0.1	BVILCH/INS/SOP- 033	0.005





Test Report No. INCHE26017470306110349

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32	Indoxacarb	mg/kg	BLQ	Max 0.1	BVILCH/INS/SOP- 033	0.005
33	Kresoxim methyl	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
34	Mancozeb as CS2	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 061	0.050
35	Metiram as CS2	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 061	0.050
36	Methomyl	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
37	Metolachlor	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
38	Methyl Chlorophenoxy Acetic Acid (MCPA)	mg/kg	BLQ	Max 0.04	BVILCH/INS/SOP- 033	0.005
39	Monocrotophos	mg/kg	BLQ	Max 0.02	BVILCH/INS/SOP- 033	0.005
40	Oxydemton -methyl	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
41	Paraquat dichloride	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.010
42	Penconazole	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
43	Phorate	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
44	Phenthoate	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
45	Pirimiphos- methyl	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
46	Propiconazole	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
47	Pyraclostrobin	mg/kg	BLQ	Max 0.03	BVILCH/INS/SOP- 033	0.005
48	Tebuconazole	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
49	Thiamethoxam	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
50	Thiophanate methyl	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
51	Trichlorfon	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005
52	Triadimefon	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
53	Triaccontanol	mg/kg	BLQ	Max 0.01	BVILCH/INS/SOP- 033	0.005
54	Thiacloprid	mg/kg	BLQ	Max 0.05	BVILCH/INS/SOP- 033	0.005

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Note: SAMPLE TESTED AS RECEIVED

Remarks: The sample meets the requirement of as per FSSR 2011 Specification with respect to above parameters tested only.

Authorized Signatory

D.Karthikeyan

Manager-Instrumentation

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