



FARELABS

FOOD ANALYSIS & RESEARCH LABORATORY

TESTING, CALIBRATION, PROFICIENCY TESTING, R&D & TRAINING SERVICES



FARE LABS Private Limited

L-17/3, DLF Phase-II, IFFCO Chowk, M.G. Road,

Gurgaon-122002, Haryana, INDIA

Phone : +91-124-4223207, 4034205

Fax : +91-124-4036038, Cell : +91-95992 21227

E-mail : farelabs@farelabs.com

Website : www.farelabs.com

TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa,

Haryana-125055

J.O. No.: FL/FA/02082019-029

ULR Code: TC5503 19 0 00016222F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples

Brand Name, if any

Batch no. & Use by Date

Sample Quantity & Packaging

Test started on

Test Completed

Method of Sampling

Date of Sampling

Sample Collected by

: **Desi Cow Milk** (One Sample)

: Dairylac

: H36 & 03.08.2019

: 500ml, Sealed Pouch

: 02/08/2019

: 07/08/2019

: FL/SOP/B/D-2

: 02/08/2019

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	Protocol
1	Energy, Kcal/100g	62.32	FL/SOP/FC-02
2	Protein, % by wt.	3.38	IS-7219
3	Fat, % by wt.	3.2	FSSAI Manual for milk & milk product, 2016
4	Carbohydrate, % by wt.	5.0	IS-1656
5	Sugar, % by wt.	2.87	FSSAI Manual for milk & milk product, 2016
6	Phosphatase Test	Negative	FSSAI Manual for milk & milk product, 2016

Testing Section

Prepared By
P.J. Mallick

Checked By:
Dr. M. Tripathi, QM

Page 1 of 9

(AUTHORISED SIGNATORY)
D Mathur, Director

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: 02/08/2019

: 07/08/2019

: FL/SOP/B/D-2

: 02/08/2019

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	Protocol
1	Milk Fat, % by wt.	3.2	FSSAI Manual for milk & milk product, 2016
2	Milk Solid Not Fat, % by wt.	8.92	AOAC 990.21
Test For Adulterants:			
1	Test for Boric Acid	Negative	FSSAI Manual for milk & milk product, 2016
2	Test for Salicylic acid	Negative	FL/SOP/FC-154
3	Test for Skimmed Milk Powder	Negative	FSSAI Manual for milk & milk product, 2016
4	Test for Detergents	Negative	FSSAI Manual for milk & milk product, 2016
5	Test for Pulverized Soap	Negative	FSSAI Manual for milk & milk product, 2016
6	Test for Salt	Negative	FSSAI Manual for milk & milk product, 2016
7	Test for Ammonium Sulphate	Negative	FSSAI Manual for milk & milk product, 2016
8	Test for Urea	Negative	FSSAI Manual for milk & milk product, 2016
9	Test for Starch	Negative	FSSAI Manual for milk & milk product, 2016
10	Test for Cane Sugar	Negative	FSSAI Manual for milk & milk product, 2016
11	Test for Formalin	Negative	FSSAI Manual for milk & milk product, 2016
12	Test for Hydrogen Peroxide	Negative	FSSAI Manual for milk & milk product, 2016
13	Test for Neutralizers	Negative	FSSAI Manual for milk & milk product, 2016
14	Test for Borax	Negative	FSSAI Manual for milk & milk product, 2016
15	Test for Benzoic Acid	Negative	FL/SOP/FC-152
16	Test for Water	Negative	IS 1479 (P-1)
17	Test for Glucose	Negative	FSSAI Manual for milk & milk product, 2016

Testing Section

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Checked By:
Dr. M. Tripathi, QM

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Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples : **Desi Cow Milk** (One Sample)
Brand Name, if any : Dairylac
Batch no. & Use by Date : H36 & 03.08.2019
Sample Quantity & Packaging : 500ml, Sealed Pouch
Test started on : 02/08/2019
Test Completed : 07/08/2019
Method of Sampling : FL/SOP/B/D-2
Date of Sampling : 02/08/2019
Sample Collected by : Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	Protocol
Added Natural colors:			
1	Curcumin	Absent	FSSAI Manual for milk & milk product, 2016
2	Beta carotene	Absent	FL/SOP/FC-07
3	Carotene (Natural extract)	Absent	FL/SOP/FC-07
4	Annatto extract, mg/kg	Absent	FSSAI Manual for milk & milk product, 2016
5	Trans β apo-8 carotenal	Absent	FSSAI Manual for milk & milk product, 2016
6	Methyl ester of β apo-8 carotenoic acid	Absent	FSSAI Manual for milk & milk product, 2016
7	Caramel	Absent	FL/SOP/FC-07
8	Caramel (IV Ammonium Sulphite Process)	Absent	FL/SOP/FC-07
9	Canthaxathine	Absent	FSSAI Manual for milk & milk product, 2016
10	Riboflavin	Absent	FSSAI Manual for milk & milk product, 2016
11	Chlorophyll	Absent	FSSAI Manual for milk & milk product, 2016
Synthetic Colors:			
1	Ponceau 4R, mg/kg	ND, [DL-3]	FL/SOP/FC-07
2	Carmoisine, mg/kg	ND, [DL-2]	FL/SOP/FC-07
3	Erythrosine, mg/kg	ND, [DL-1]	FL/SOP/FC-07
4	Tartrazine, mg/kg	ND, [DL-1]	FL/SOP/FC-07
5	Sunset Yellow FCF, mg/kg	ND, [DL-3]	FL/SOP/FC-07
6	Indigo Carmine, mg/kg	ND, [DL-3]	FL/SOP/FC-07
7	Brilliant Blue FCF, mg/kg	ND, [DL-3]	FL/SOP/FC-07
8	Fast Green FCF, mg/kg	ND, [DL-3]	FL/SOP/FC-07

ND=Not Detected; DL=Detection Limit

Testing Section

Prepared By

P.J. Mallick

Checked By:

Dr. M. Tripathi, QM

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Sample Quantity & Packaging

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Date of Sampling

Sample Collected by

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; H36 & 03.08.2019

: 500ml, Sealed Pouch

: 02/08/2019

: 07/08/2019

: FL/SOP/B/D-2

: 02/08/2019

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Heavy Metals:				
1	Lead (as Pb), mg/kg	ND, [LOQ-0.02]	NMT 0.02	FL/SOP/ICPMS-05
2	Copper (as Cu), mg/kg	0.60	NMT 30	FL/SOP/AAS-05
3	Arsenic (as As), mg/kg	ND, [LOQ-0.02]	NMT 0.1	FL/SOP/ICPMS-05
4	Tin (as Sn), mg/kg	ND, [LOQ-0.05]	NMT 250	FL/SOP/ICPMS-05
5	Zinc (as Zn), mg/kg	ND, [LOQ-0.05]	Not Specified	FL/SOP/AAS-05
6	Cadmium (as Cd), mg/kg	ND, [LOQ-0.02]	NMT 1.5	FL/SOP/ICPMS-05
7	Mercury (as Hg), mg/kg	ND, [LOQ-0.02]	NMT 1.0	FL/SOP/ICPMS-05
8	Methyl Mercury calculated as element, mg/kg	ND, [LOQ-0.02]	NMT 0.25	FL/SOP/ICPMS-05

ND=Not Detected; **LOQ**=Limit of Quantification; **NMT**=Not More Than

Chandrasekhar
Testing Section

Rajendra Yadav
Prepared By
Rajendra Yadav

Dr. M. Tripathi
Checked By:
Dr. M. Tripathi, QM

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D Mathur
(AUTHORISED SIGNATORY)
D Mathur, Director

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Method of Sampling

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: 500ml, Sealed Pouch

: 02/08/2019

: 07/08/2019

: FL/SOP/B/D-2

: 02/08/2019

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Preservatives:				
1	Benzoic Acid, mg/kg	ND, [DL-1]	Not Specified	FL/SOP/HPLC-12
2	Sorbic Acid, mg/kg	ND, [DL-1]	Not Specified	FL/SOP/HPLC-12
Test for Non Nutritive Sweetener:				
1	Steviol Glycoside, mg/kg	ND, [DL-0.5]	Not Specified	FL/SOP/HPLC-63
Naturally Occurring Toxic Materials:				
1	Agaric acid, mg/kg	ND, [DL-1.0]	100 Max	FL/SOP/HPLC-25
2	Hypericine, mg/kg	ND, [DL-0.5]	1 Max	FL/SOP/HPLC-26
3	Hydrocyanic acid, mg/kg	ND, [DL-0.2]	5 Max	FL/SOP/FC-117
4	Safrole, mg/kg	ND, [DL-1]	10 Max	FL/SOP/GC-28
Aflatoxins:				
1	Total Aflatoxins, µg/kg	ND, [LOQ-1.75]	30 Max	FL/SOP/LCMS-31
2	Total Aflatoxins M1, µg/kg	ND, [LOQ-0.5]	0.5 Max	FL/SOP/LCMS-33
Antioxidants:				
1	BHA, mg/kg	ND, [DL-0.5]	Not Specified	FL/SOP/HPLC-09
2	TBHQ, mg/kg	ND, [DL-0.2]	Not Specified	FL/SOP/HPLC-09

ND=Not Detected; **DL**=Detection Limit; **LOQ**=Limit of Quantification

Testing Section

Prepared By:
Ayush Agrawa

Checked By:
Dr. M. Tripathi, QM

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: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues : (mg/kg)				
1	2,4-Dichlorophenoxy Acetic Acid	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
2	Acephate	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
3	Acetamiprid	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
4	Azoxystrobin	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
5	benomyl	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
6	Bifenthrin	ND, [LOQ-0.01]	NMT 0.2	FL/SOP/GCMS/P-05
7	Bitertanol	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
8	Buprofezin	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
9	Carbaryl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
10	Carbendazim	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
11	Carbofuran	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
12	Chlorantraniliprole	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
13	Chlorothalonil	ND, [LOQ-0.01]	NMT 0.07	FL/SOP/GCMS/P-05
14	Chlorpyrifos	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/GCMS/P-05
15	Chlothianidin	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/GCMS/P-05
16	Cypermethrin	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
17	Deltamethrin (Decamethrin)	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
18	Dichlorvos	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
19	Difenoconazole	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
20	Dimethoate	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
21	Dinotefuran	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05

ND = Not Detected; **LOQ** = Limit of Quantification; **NMT** = Not More Than

Testing Section

Prepared By

Mithilesh Kumar

Checked By:

Dr. M. Tripathi, QM

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: FL/SOP/B/D-2

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: Mr. Ramayan (FARE LABS Representative)

Analysis Report

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Pesticide Residues : (mg/kg)				
22	Mancozeb as CS2	ND, [LOQ-0.03]	NMT 0.05	FL/SOP/GCMS/P-18
23	Metiram as CS2	ND, [LOQ-0.03]	NMT 0.05	FL/SOP/GCMS/P-18
24	Edifenphos	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
25	Emamectin Benzoate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
26	Ethion	ND, [LOQ-0.01]	NMT 0.5	FL/SOP/GCMS/P-05
27	Ethofenprox (Etofenprox)	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
28	Fenprothrin	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/GCMS/P-05
29	Fenvalerate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
30	Fipronil	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
31	Flubendiamide	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
32	Flusilazole	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
33	Glufosinate Ammonium	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
34	Imidacloprid	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
35	Indoxacarb	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
36	Kresoxim Methyl	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
37	Methomyl	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
38	Methyl Chlorophenoxy Acetic Acid (MCPA)	ND, [LOQ-0.01]	NMT 0.04	FL/SOP/LCMS/P-05
39	Metolachlor	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
40	Monocrotophos	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
41	Oxydemeton-Methyl	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
42	Paraquat dichloride	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
43	Penconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
44	Phenthoate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
45	Phorate	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05

ND=Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

Testing Section

Prepared By

Mithlesh Kumar

Checked By:

Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)

Page 7 of 9

D Mathur, Director

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FOOD ANALYSIS & RESEARCH LABORATORY

TESTING, CALIBRATION, PROFICIENCY TESTING, R&D & TRAINING SERVICES



FARE LABS Private Limited

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Website : www.farelabs.com

TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa,

Haryana-125055

J.O. No.: FL/FA/02082019-029

ULR Code: TC5503 19 0 00016222F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Desi Cow Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues: (mg/kg)				
46	Pirimiphos-methyl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
47	Propiconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
48	Pyraclostrobin	ND, [LOQ-0.01]	NMT 0.03	FL/SOP/LCMS/P-05
49	Tebuconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
50	Thiacloprid	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
51	Thiamethoxam	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
52	Thiophanate-Methyl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
53	Trichlorfon	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
54	Triacantanol	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
55	Triadimefon	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05

ND= Not Detected; **LOQ**=Limit of Quantification; **NMT**=Not More Than

Testing Section

Prepared By:
Mithilesh Kumar

Checked By:
Dr. M. Tripathi, QM

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D Mathur, Director

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Haryana-125055

J.O. No.: FL/FA/02082019-029

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Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Desi Cow Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Microbiological Analysis:				
1	Total Plate Count, cfu/ml	4120	5X10 ⁴ Max	IS 5402
2	Coliform count, cfu/ml	<1	NMT 10	IS 5401 (P-1)
3	Salmonella sp, per 25ml	Absent	Absent	IS 5887 (P-3)
4	Listeria monocytogenes, per 25 ml	Absent	Absent	IS 14988 (P-1)

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

Sushma
Testing Section

Sushma
Prepared By
Sushma

Sushma
Checked By:
Dr. M. Tripathi, QM Page 9 of 9

Meenakshi Bakshi
(AUTHORISED SIGNATORY)
Ms. Meenakshi Bakshi, Scientist-B

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V.P.O Mallekan, District-Sirsa,

Haryana-125055

J.O. No.: FL/FA/02082019-028

ULR Code: TC5503 19 0 00016221 F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples

Brand Name, if any

Batch no. & Use by Date

Sample Quantity & Packaging

Test started on

Test Completed

Method of Sampling

Date of Sampling

Sample Collected by

: **Buffalo Milk** (One Sample)

: Dairylac

: H36 & 03.08.2019

: 500ml, Sealed Pouch

: 02/08/2019

: 07/08/2019

: FL/SOP/B/D-2

: 02/08/2019

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	Protocol
1	Energy, Kcal/100g	81.66	FL/SOP/FC-02
2	Protein, % by wt.	3.69	IS-7219
3	Fat, % by wt.	5.1	FSSAI Manual for milk & milk product, 2016
4	Carbohydrate, % by wt.	5.25	IS-1656
5	Sugar, % by wt.	2.42	FSSAI Manual for milk & milk product, 2016
6	Phosphatase Test	Negative	FSSAI Manual for milk & milk product, 2016

Testing Section

Prepared By
P.J. Mallick

Checked By
Dr. M. Tripathi, QM

Page 1 of 9

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D Mathur, Director

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Haryana-125055

J.O. No.: FL/FA/02082019-028

ULR Code: TC5503 19 0 00016221 F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples

: **Buffalo Milk** (One Sample)

Brand Name, if any

: Dairy-lac

Batch no. & Use by Date

: H36 & 03.08.2019

Sample Quantity & Packaging

: 500ml, Sealed Pouch

Test started on

: 02/08/2019

Test Completed

: 07/08/2019

Method of Sampling

: FL/SOP/B/D-2

Date of Sampling

: 02/08/2019

Sample Collected by

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	Protocol
1	Milk Fat, % by wt.	5.1	FSSAI Manual for milk & milk product, 2016
2	Milk Solid Not Fat, % by wt.	9.41	AOAC 990.21
Test For Adulterants:			
1	Test for Boric Acid	Negative	FSSAI Manual for milk & milk product, 2016
2	Test for Salicylic acid	Negative	FL/SOP/FC-154
3	Test for Skimmed Milk Powder	Negative	FSSAI Manual for milk & milk product, 2016
4	Test for Detergents	Negative	FSSAI Manual for milk & milk product, 2016
5	Test for Pulverized Soap	Negative	FSSAI Manual for milk & milk product, 2016
6	Test for Salt	Negative	FSSAI Manual for milk & milk product, 2016
7	Test for Ammonium Sulphate	Negative	FSSAI Manual for milk & milk product, 2016
8	Test for Urea	Negative	FSSAI Manual for milk & milk product, 2016
9	Test for Starch	Negative	FSSAI Manual for milk & milk product, 2016
10	Test for Cane Sugar	Negative	FSSAI Manual for milk & milk product, 2016
11	Test for Formalin	Negative	FSSAI Manual for milk & milk product, 2016
12	Test for Hydrogen Peroxide	Negative	FSSAI Manual for milk & milk product, 2016
13	Test for Neutralizers	Negative	FSSAI Manual for milk & milk product, 2016
14	Test for Borax	Negative	FSSAI Manual for milk & milk product, 2016
15	Test for Benzoic Acid	Negative	FL/SOP/FC-152
16	Test for Water	Negative	IS 1479 (P-1)
17	Test for Glucose	Negative	FSSAI Manual for milk & milk product, 2016

Testing Section

Prepared By
P.J. Mallick

Checked By:
D. M. Tripathi, QM

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V.P.O Mallekan, District-Sirsa,
Haryana-125055

J.O. No.: FL/FA/02082019-028

ULR Code: TC5503 19 0 00016221 F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Buffalo Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	Protocol
Added Natural colors:			
1	Curcumin	Absent	FSSAI Manual for milk & milk product, 2016
2	Beta carotene	Absent	FL/SOP/FC-07
3	Carotene (Natural extract)	Absent	FL/SOP/FC-07
4	Annatto extract, mg/kg	Absent	FSSAI Manual for milk & milk product, 2016
5	Trans β apo-8 carotenal	Absent	FSSAI Manual for milk & milk product, 2016
6	Methyl ester of β apo-8 carotenoic acid	Absent	FSSAI Manual for milk & milk product, 2016
7	Caramel	Absent	FL/SOP/FC-07
8	Caramel (IV Ammonium Sulphite Process)	Absent	FL/SOP/FC-07
9	Canthaxathine	Absent	FSSAI Manual for milk & milk product, 2016
10	Riboflavin	Absent	FSSAI Manual for milk & milk product, 2016
11	Chlorophyll	Absent	FSSAI Manual for milk & milk product, 2016
Synthetic Colors:			
1	Ponceau 4R, mg/kg	ND, [DL-3]	FL/SOP/FC-07
2	Carmoisine, mg/kg	ND, [DL-2]	FL/SOP/FC-07
3	Erythrosine, mg/kg	ND, [DL-1]	FL/SOP/FC-07
4	Tartrazine, mg/kg	ND, [DL-1]	FL/SOP/FC-07
5	Sunset Yellow FCF, mg/kg	ND, [DL-3]	FL/SOP/FC-07
6	Indigo Carmine, mg/kg	ND, [DL-3]	FL/SOP/FC-07
7	Brilliant Blue FCF, mg/kg	ND, [DL-3]	FL/SOP/FC-07
8	Fast Green FCF, mg/kg	ND, [DL-3]	FL/SOP/FC-07

ND=Not Detected; DL=Detection Limit

Testing Section

Prepared By
P.J. Mallick

Checked By:
Dr. M. Tripathi, QM

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TEST REPORT

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 V.P.O Mallekan, District-Sirsa,
 Haryana-125055

J.O. No.: FL/FA/02082019-028
 ULR Code: TC5503 19 0 00016221 F
 Report Date: 07/08/2019
 Sample Receipt Date: 02/08/2019
 Account Manager: Vartika Khandelwal
 Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Buffalo Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Heavy Metals:				
1	Lead (as Pb), mg/kg	ND, [LOQ-0.02]	NMT 0.02	FL/SOP/ICPMS-05
2	Copper (as Cu), mg/kg	0.60	NMT 30	FL/SOP/AAS-05
3	Arsenic (as As), mg/kg	ND, [LOQ-0.02]	NMT 0.1	FL/SOP/ICPMS-05
4	Tin (as Sn), mg/kg	ND, [LOQ-0.05]	NMT 250	FL/SOP/ICPMS-05
5	Zinc (as Zn), mg/kg	ND, [LOQ-0.05]	Not Specified	FL/SOP/AAS-05
6	Cadmium (as Cd), mg/kg	ND, [LOQ-0.02]	NMT 1.5	FL/SOP/ICPMS-05
7	Mercury (as Hg), mg/kg	ND, [LOQ-0.02]	NMT 1.0	FL/SOP/ICPMS-05
8	Methyl Mercury calculated as element, mg/kg	ND, [LOQ-0.02]	NMT 0.25	FL/SOP/ICPMS-05

ND=Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

(Signature)
 Testing Section

(Signature)
 Prepared By
 Rajendra Yadav

(Signature)
 Checked By:
 Dr. M. Tripathi, QM

Page 4 of 9

(Signature)
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 D Mathur, Director

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 Report Date: 07/08/2019
 Sample Receipt Date: 02/08/2019
 Account Manager: Vartika Khandelwal
 Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Buffalo Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Preservatives:				
1	Benzoic Acid, mg/kg	ND, [DL-1]	Not Specified	FL/SOP/HPLC-12
2	Sorbic Acid, mg/kg	ND, [DL-1]	Not Specified	FL/SOP/HPLC-12
Test for Non Nutritive Sweetener:				
1	Steviol Glycoside, mg/kg	ND, [DL-0.5]	Not Specified	FL/SOP/HPLC-63
Naturally Occurring Toxic Materials:				
1	Agaric acid, mg/kg	ND, [DL-1.0]	100 Max	FL/SOP/HPLC-25
2	Hypericine, mg/kg	ND, [DL-0.5]	1 Max	FL/SOP/HPLC-26
3	Hydrocyanic acid, mg/kg	ND, [DL-0.2]	5 Max	FL/SOP/FC-117
4	Safrole, mg/kg	ND, [DL-1]	10 Max	FL/SOP/GC-28
Aflatoxins:				
1	Total Aflatoxins, µg/kg	ND, [LOQ-1.75]	30 Max	FL/SOP/LCMS-31
2	Total Aflatoxins M1, µg/kg	ND, [LOQ-0.5]	0.5 Max	FL/SOP/LCMS-33
Antioxidants:				
1	BHA, mg/kg	ND, [DL-0.5]	Not Specified	FL/SOP/HPLC-09
2	TBHQ, mg/kg	ND, [DL-0.2]	Not Specified	FL/SOP/HPLC-09

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Testing Section

Prepared By
 Ayush Agrawal

Checked By:
 Dr. M. Tripathi, QM

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 D Mathur, Director

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 Report Date: 07/08/2019
 Sample Receipt Date: 02/08/2019
 Account Manager: Vartika Khandelwal
 Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Buffalo Milk (One Sample)
Brand Name, if any	: DairyLac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues : (mg/kg)				
1	2,4-Dichlorophenoxy Acetic Acid	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
2	Acephate	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
3	Acetamiprid	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
4	Azoxystrobin	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
5	benomyl	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
6	Bifenthrin	ND, [LOQ-0.01]	NMT 0.2	FL/SOP/GCMS/P-05
7	Bitertanol	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
8	Buprofezin	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
9	Carbaryl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
10	Carbendazim	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
11	Carbofuran	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
12	Chlorantraniliprole	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
13	Chlorothalonil	ND, [LOQ-0.01]	NMT 0.07	FL/SOP/GCMS/P-05
14	Chlorpyrifos	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/GCMS/P-05
15	Chlothianidin	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/GCMS/P-05
16	Cypermethrin	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
17	Deltamethrin (Decamethrin)	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
18	Dichlorvos	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
19	Difenoconazole	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
20	Dimethoate	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
21	Dinotefuran	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05

ND= Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

Testing Section Prepared By
 Mithilesh Kumar

Checked By
 Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)
 D Mathur, Director

Page 6 of 9

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TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa,
 Haryana-125055

J.O. No.: FL/FA/02082019-028

ULR Code: TC5503 19 0 00016221 F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Buffalo Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues : (mg/kg)				
22	Mancozeb as CS2	ND, [LOQ-0.03]	NMT 0.05	FL/SOP/GCMS/P-18
23	Metiram as CS2	ND, [LOQ-0.03]	NMT 0.05	FL/SOP/GCMS/P-18
24	Edifenphos	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
25	Emamectin Benzoate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
26	Ethion	ND, [LOQ-0.01]	NMT 0.5	FL/SOP/GCMS/P-05
27	Ethofenprox (Etofenprox)	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
28	Fenpropathrin	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/GCMS/P-05
29	Fenvalerate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
30	Fipronil	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
31	Flubendiamide	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
32	Flusilazole	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
33	Glufosinate Ammonium	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
34	Imidacloprid	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
35	Indoxacarb	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
36	Kresoxim Methyl	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
37	Methomyl	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
38	Methyl Chlorophenoxy Acetic Acid (MCPA)	ND, [LOQ-0.01]	NMT 0.04	FL/SOP/LCMS/P-05
39	Metolachlor	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
40	Monocrotophos	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
41	Oxydemeton-Methyl	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
42	Paraquat dichloride	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
43	Penconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
44	Phenthoate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
45	Phorate	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05

ND= Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

Testing Section

Prepared By
 Mithilesh Kumar

Checked By:
 Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)

Page 7 of 9 D Mathur, Director

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FARELABS

FOOD ANALYSIS & RESEARCH LABORATORY

TESTING, CALIBRATION, PROFICIENCY TESTING, R&D & TRAINING SERVICES



FARE LABS Private Limited

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Fax : +91-124-4036038, Cell : +91-95992 21227

E-mail : farelabs@farelabs.com

Website : www.farelabs.com

TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa,
Haryana-125055

J.O. No.: FL/FA/02082019-028

ULR Code: TC5503 19 0 00016221 F

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples

Brand Name, if any

Batch no. & Use by Date

Sample Quantity & Packaging

Test started on

Test Completed

Method of Sampling

Date of Sampling

Sample Collected by

: Buffalo Milk (One Sample)

: Dairylac

; H36 & 03.08.2019

: 500ml, Sealed Pouch

: 02/08/2019

: 07/08/2019

: FL/SOP/B/D-2

: 02/08/2019

: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues: (mg/kg)				
46	Pirimiphos-methyl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
47	Propiconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
48	Pyraclostrobin	ND, [LOQ-0.01]	NMT 0.03	FL/SOP/LCMS/P-05
49	Tebuconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
50	Thiacloprid	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
51	Thiamethoxam	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
52	Thiophanate-Methyl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
53	Trichlorfon	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
54	Triaccontanol	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
55	Triadimefon	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05

ND= Not Detected; **LOQ**=Limit of Quantification; **NMT**=Not More Than

Testing Section

Prepared By
Mithilesh Kumar

Checked By
Dr. M. Tripathi, QM

Page 8 of 9

(AUTHORISED SIGNATORY)
D Mathur, Director

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TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.
 V.P.O Mallekan, District-Sirsa,
 Haryana-125055

J.O. No.: FL/FA/02082019-028
 ULR Code: TC5503 19 0 00016221 F
 Report Date: 07/08/2019
 Sample Receipt Date: 02/08/2019
 Account Manager: Vartika Khandelwal
 Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Buffalo Milk (One Sample)
Brand Name, if any	: Dairylac
Batch no. & Use by Date	: H36 & 03.08.2019
Sample Quantity & Packaging	: 500ml, Sealed Pouch
Test started on	: 02/08/2019
Test Completed	: 07/08/2019
Method of Sampling	: FL/SOP/B/D-2
Date of Sampling	: 02/08/2019
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Microbiological Analysis:				
1	Total Plate Count, cfu/ml	6460	5X10 ⁴ Max	IS 5402
2	Coliform count, cfu/ml	<1	NMT 10	IS 5401 (P-1)
3	Salmonella sp, per 25ml	Absent	Absent	IS 5887 (P-3)
4	Listeria monocytogenes, per 25 ml	Absent	Absent	IS 14988 (P-1)

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

Testing Section

Prepared By
 Sushma

Checked By:
 Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)
 Ms. Meenakshi Bakshi, Scientist-B

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E-mail : farelabs@farelabs.com

Website : www.farelabs.com

TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa, Haryana-125055

J.O. No.: FL/O&F/02082019-005

ULR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Desi Cow Ghee (One Sample)
Brand Name, if Any	: Dairylac
Batch No. & Manufacturing Date	: G-49 & 15.07.2019
Exp. Date	: Best Before 09 Months from packaging
Sample Quantity & Packaging	: 1 Litre, Sealed Pet Container
Date of Performance of Test	: 02 nd -07 th August, 2019
Method of Sampling	: FL/SOP/B/D-3
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR 2011	Protocol
1	FFA (as Oleic Acid), % by wt.	0.39	NMT 3.0	IS-3508
2	Aroma	Acceptable	-	Organoleptic
3	Butyric Acid Test (RM Value)	28.53	NLT 28	IS-3508
4	Moisture & Volatile Matter, % by wt.	0.14	NMT 0.5	IS-3508
5	B R Reading at 40°C	42.8	40-43	IS-3508
6	Baudouin Test	Negative	Negative	IS-3508
7	Presence of Vegetable Fat	Absent	Absent	FL/SOP/GC-31

Testing Section

Prepared By
Kulwant Singh

Checked By:
Dr. M. Tripathi, QM

Page 1 of 7

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D Mathur, Director

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TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa, Haryana-125055

J.O. No.: FL/O&F/02082019-005

JLR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Desi Cow Ghee (One Sample)
Brand Name, if Any	: Dairylac
Batch No. & Manufacturing Date	: G-49 & 15.07.2019
Exp. Date	: Best Before 09 Months from packaging
Sample Quantity & Packaging	: 1Litre, Sealed Pet Container
Date of Performance of Test	: 02 nd -07 th August, 2019
Method of Sampling	: FL/SOP/B/D-3
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR 2011	Protocol
Heavy Metals:				
1	Lead, mg/kg	ND, [LOQ-0.02]	0.02 Max	FL/SOP/ICP-MS-05
2	Copper, mg/kg	ND, [LOQ-0.05]	30 Max	FL/SOP/AAS-05
3	Arsenic, mg/kg	ND, [LOQ-0.02]	1.1 Max	FL/SOP/ICP-MS-05
4	Mercury, mg/kg	ND, [LOQ-0.02]	1.0 Max	FL/SOP/ICP-MS-05
5	Tin, mg/kg	ND, [LOQ-0.05]	250 Max	FL/SOP/ICP-MS-05
6	Cadmium, mg/kg	ND, [LOQ-0.02]	1.5 Max	FL/SOP/ICP-MS-05
7	Methyl Mercury calculated as element, mg/kg	ND, [LOQ-0.02]	0.25 Max	FL/SOP/ICP-MS-05
8	Zinc, mg/kg	1.43	Not Specified	FL/SOP/ICPMS-0

ND=Not Detected; LOQ=Limit of Quantification

Testing Section

Prepared By
Rajendra Yadav

Checked By:
Dr. M. Tripathi, QM

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D Mathur, Director

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TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa, Haryana-125055

J.O. No.: FL/O&F/02082019-005

ULR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples	: Desi Cow Ghee (One Sample)
Brand Name, if Any	: Dairylac
Batch No. & Manufacturing Date	: G-49 & 15.07.2019
Exp. Date	: Best Before 09 Months from packaging
Sample Quantity & Packaging	: 1Litre, Sealed Pet Container
Date of Performance of Test	: 02 nd -07 th August, 2019
Method of Sampling	: FL/SOP/B/D-3
Sample Collected by	: Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR 2011	Protocol
1	Melamine, mg/kg	ND, [DL-0.01]	2.5 Max	FL/SOP/LCMS-37
Naturally Occurring Toxic Materials:				
1	Agaric acid, mg/kg	ND, [DL-1]	100 Max	FL/SOP/HPLC-25
2	Hypericine, mg/kg	ND, [DL-0.5]	1 Max	FL/SOP/HPLC-26
3	Hydrocyanic acid, mg/kg	ND, [DL-0.2]	5 Max	FL/SOP/OC-16
4	Safole, mg/kg	ND, [DL-1]	10 Max	FL/SOP/GC-28
Aflatoxins:				
1	Aflatoxins M ₁ , µg/kg	ND, [LOQ-0.5]	-	FL/SOP/LCMS-34
2	Total Aflatoxins, µg/kg	ND, [LOQ-1.7]	10 Max	FL/SOP/HPLC-62

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

Testing Section

Prepared By
Ayush Agarwal

Checked By:
Dr. M. Tripathi, QM

Page 3 of 7

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D Mathur, Director

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Website : www.farelabs.com

TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa, Haryana-125055

J.O. No.: FL/O&F/02082019-005

ULR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples : **Desi Cow Ghee (One Sample)**
Brand Name, if Any : Dairylac
Batch No. & Manufacturing Date : G-49 & 15.07.2019
Exp. Date : Best Before 09 Months from packaging
Sample Quantity & Packaging : 1Litre, Sealed Pet Container
Date of Performance of Test : 02nd -07th August, 2019
Method of Sampling : FL/SOP/B/D-3
Sample Collected by : Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Added Natural colors :				
1	Curcumin	Absent	Absent	FL/SOP/OC-37
2	Saffron	Absent	Absent	FL/SOP/OC-37
3	Riboflavin	Absent	Absent	FL/SOP/OC-37
4	Chlorophyll	Absent	Absent	FL/SOP/OC-37
5	Beta carotene	Absent	Absent	FL/SOP/OC-37
6	Carotene (Natural extract)	Absent	Absent	FL/SOP/OC-37
7	Annatto extract	Absent	Absent	FL/SOP/OC-37
8	Trans β apo-8 carotenal	Absent	Absent	FL/SOP/OC-37
9	Methyl ester of β apo-8 carotenoic acid	Absent	Absent	FSSAI Manual-8
10	Ethyl ester of β apo-8 carotenoic acid	Absent	Absent	FSSAI Manual-8
11	Canthaxanthin	Absent	Absent	FL/SOP/OC-37
12	Caramel colour	Absent	Absent	FL/SOP/OC-37
Synthetic Colors:				
1	Ponceau 4R	Absent	Absent	FL/SOP/OC-39
2	Carmoisine	Absent	Absent	FL/SOP/OC-39
3	Erythrosine	Absent	Absent	FL/SOP/OC-39
4	Tartrazine	Absent	Absent	FL/SOP/OC-39
5	Sunset Yellow FCF	Absent	Absent	FL/SOP/OC-39
6	Indigo Carmine	Absent	Absent	FL/SOP/OC-39
7	Brilliant Blue FCF	Absent	Absent	FL/SOP/OC-39
8	Fast Green FCF	Absent	Absent	FL/SOP/OC-39

Testing Section

Prepared By
Kulwant Singh

Checked By:
Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)
D Mathur, Director

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ISO 9001:2015

ISO 14001:2015

OHSAS 18001:2007

ISO / IEC 27001:2013



FARELABS

FOOD ANALYSIS & RESEARCH LABORATORY

TESTING, CALIBRATION, PROFICIENCY TESTING, R&D & TRAINING SERVICES

TEST REPORT

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa, Haryana-125055



FARE LABS Private Limited

L-17/3, DLF Phase-II, IFFCO Chowk, M.G. Road,

Gurgaon-122002, Haryana, INDIA

Phone : +91-124-4223207, 4034205

Fax : +91-124-4036038, Cell : +91-95992 21227

E-mail : farelabs@farelabs.com

Website : www.farelabs.com

J.O. No.: FL/O&F/02082019-005

ULR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples : **Desi Cow Ghee (One Sample)**
 Brand Name, if Any : Dairylac
 Batch No. & Manufacturing Date : G-49 & 15.07.2019
 Exp. Date : Best Before 09 Months from packaging
 Sample Quantity & Packaging : 1Litre, Sealed Pet Container
 Date of Performance of Test : 02nd -07th August, 2019
 Method of Sampling : FL/SOP/B/D-3
 Sample Collected by : Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues : (mg/kg)				
1	2,4-Dichlorophenoxy Acetic Acid	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
2	Acephate	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
3	Acetamiprid	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
4	Azoxystrobin	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
5	benomyl	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
6	Bifenthrin	ND, [LOQ-0.01]	NMT 0.2	FL/SOP/GCMS/P-05
7	Bitertanol	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
8	Buprofezin	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
9	Carbaryl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
10	Carbendazim	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
11	Carbofuran	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
12	Chlorantraniliprole	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
13	Chlorothalonil	ND, [LOQ-0.01]	NMT 0.07	FL/SOP/GCMS/P-05
14	Chlorpyrifos	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/GCMS/P-05
15	Chlothianidin	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/GCMS/P-05
16	Cypermethrin	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
17	Deltamethrin (Decamethrin)	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
18	Dichlorvos	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
19	Difenoconazole	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
20	Dimethoate	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
21	Dinotefuran	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05

ND= Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

Testing Section Prepared By
Mithilesh Kumar

Checked By:
Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)
D Mathur, Director

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TEST REPORT



FARE LABS Private Limited

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Gurgaon-122002, Haryana, INDIA

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Website : www.farelabs.com

Issued to: Mallekan Dairy & Agro Pvt. Ltd.

V.P.O Mallekan, District-Sirsa, Haryana-125055

J.O. No.: FL/O&F/02082019-005

ULR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples : **Desi Cow Ghee (One Sample)**
 Brand Name, if Any : **Dairylac**
 Batch No. & Manufacturing Date : **G-49 & 15.07.2019**
 Exp. Date : **Best Before 09 Months from packaging**
 Sample Quantity & Packaging : **1 Litre, Sealed Pet Container**
 Date of Performance of Test : **02nd -07th August, 2019**
 Method of Sampling : **FL/SOP/B/D-3**
 Sample Collected by : **Mr. Ramayan (FARE LABS Representative)**

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues : (mg/kg)				
22	Mancozeb as CS2	ND, [LOQ-0.03]	NMT 0.05	FL/SOP/GCMS/P-18
23	Metiram as CS2	ND, [LOQ-0.03]	NMT 0.05	FL/SOP/GCMS/P-18
24	Edifenphos	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
25	Emamectin Benzoate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
26	Ethion	ND, [LOQ-0.01]	NMT 0.5	FL/SOP/GCMS/P-05
27	Ethofenprox (Etofenprox)	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
28	Fenpropathrin	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/GCMS/P-05
29	Fenvalerate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
30	Fipronil	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
31	Flubendiamide	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
32	Flusilazole	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
33	Glufosinate Ammonium	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
34	Imidacloprid	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
35	Indoxacarb	ND, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-05
36	Kresoxim Methyl	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
37	Methomyl	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
38	Methyl Chlorophenoxy Acetic Acid (MCPA)	ND, [LOQ-0.01]	NMT 0.04	FL/SOP/LCMS/P-05
39	Metolachlor	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
40	Monocrotophos	ND, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-05
41	Oxydemeton-Methyl	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
42	Paraquat dichloride	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
43	Penconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
44	Phenthoate	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-05
45	Phorate	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05

ND=Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

Testing Section Prepared By
Mithilesh Kumar

Checked By:
Dr. M. Tripathi, QM

(AUTHORISED SIGNATORY)
D Mathur, Director

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TEST REPORT

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V.P.O Mallekan, District-Sirsa, Haryana-125055

J.O. No.: FL/O&F/02082019-005

ULR Code: TC5503 19 1 00002964 P

Report Date: 07/08/2019

Sample Receipt Date: 02/08/2019

Account Manager: Vartika Khandelwal

Credit Manager: Gulab/Septesh

Sample Particulars:

Nature of the Sample & No. of Samples : **Desi Cow Ghee (One Sample)**
 Brand Name, if Any : Dairylac
 Batch No. & Manufacturing Date : G-49 & 15.07.2019
 Exp. Date : Best Before 09 Months from packaging
 Sample Quantity & Packaging : 1Litre, Sealed Pet Container
 Date of Performance of Test : 02nd -07th August, 2019
 Method of Sampling : FL/SOP/B/D-3
 Sample Collected by : Mr. Ramayan (FARE LABS Representative)

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues: (mg/kg)				
46	Pirimiphos-methyl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-05
47	Propiconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
48	Pyraclostrobin	ND, [LOQ-0.01]	NMT 0.03	FL/SOP/LCMS/P-05
49	Tebuconazole	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
50	Thiacloprid	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
51	Thiamethoxam	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
52	Thiophanate-Methyl	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
53	Trichlorfon	ND, [LOQ-0.01]	NMT 0.05	FL/SOP/LCMS/P-05
54	Triaccontanol	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05
55	Triadimefon	ND, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-05

ND= Not Detected; LOQ=Limit of Quantification; NMT=Not More Than

Testing Section

Prepared By
Mithilesh Kumar

Checked By
Dr. M. Tripathi, QM

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(AUTHORISED SIGNATORY)
D Mathur, Director

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