



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



Chemical T-2637
Biological T-2639
Mechanical T-2638

Report No : FD/17060093-01

Report Date : 14 Jun 2017

SAMPLE NOT DRAWN BY LABORATORY

Customer Name : M/S. A.R.DAIRY FOOD PRIVATE LIMITED

Customer Address : No:10/5c, Madurai Road, Begampur (PO),
Dindugal, 624 002, Tamil Nadu

Sample Name : Raj Full Commercial Milk

Reference : Letter Dated 06.06.2017

Sample No : FD/17060093-01

Sample Identification : B.No.UNR / F.F.06,UBD:09.06.2017

Sample Received on : 08 Jun 2017

Sample Condition : Fit for Analysis

Test Started on : 08 Jun 2017

Sample Quantity : 2 x 1000ml

Test Completed on : 14 Jun 2017

Test Results

Sl.N	Parameter	Test Method	Results	Unit	Requirement as per FSS ACT 2006
Chemical					
1	Carbohydrate	Pearsons Composition and Analysis of Foods, 8th Edn. 1984	5.25	g/100g	--
2	Energy	Pearsons Composition and Analysis of Foods, 8th Edn. 1984	81.99	Kcal/100g	--
3	Fat	DGHS LAB MANUAL 1, 2005	5.27	g/100g	--
4	Solid Not Fat (SNF)	DGHS Lab Manual-1, 2005	4.41	g/100g	--
5	*Sulfites as SO ₂	DGHS LAB Manual 4, 2005	BLQ (LOQ: 10.0)	mg/kg	--
6	Milk Protein(Nx6.35)	DGHS Lab Manual-1 2005	3.99	g/100g	--
Microbiological Analysis					
7	Coliforms	IS:5401 (Part-1): 2012	<1	cfu/ml	--
8	E.Coli	IS:5887 (Part 1):1776, RA:2009	Absent/ml	--	--
9	S aureus	IS:5807 (Part 2):1975, RA:2009	<1	cfu/ml	--
10	Salmonella Spp	IS:5867 (Part 3): 1999, RA:2009	Absent/25ml	--	--
11	Shigella Spp	IS:5987 (Part 7): 1999, RA:2009	Absent/20ml	--	--
12	Total Plate Count	IS:5402:2012	1*1000	cfu/ml	--
13	Yeast And Mould	IS:5403:1999, RA:2009	<1	cfu/ml	--
Heavy Metals					
14	Zinc as Zn	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 50.0
15	Arsenic as As	SMSLA/IN/SOP/87	BDL (DL:0.01)	mg/kg	NMT 0.10
16	Cadmium as Cd	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 0.10
17	Tin as Sn	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 250.0
18	Lead as Pb	SMSLA/IN/SOP/87	BDL (DL:0.01)	mg/kg	NMT 0.02
19	Copper as Cu	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 30

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Authorised Signatory

P. KUMAR

Senior Manager - Food

39/6, Thiruvallur High Road, Puduchalram Post, Thirumazhisai Via, Poonamallee Taluk,
Chennai - 600 124. Phone : 044-26811662 - 664

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20	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 0.25
Minerals					
21	*Calcium as Ca	SMSLA/IN/SOP/87	130	mg/100g	--
22	*Sodium as Na	SMSLA/IN/SOP/87	45.0	mg/100g	--
23	*Potassium as K	SMSLA/IN/SOP/87	90.12	mg/100g	--
24	Phosphorous as P	AOAC 19th Edn.2012-991.25	125.4	mg/100g	--
Pesticides- Poly Halogenated Organic Compounds					
25	Hexachlorocyclohexane and its Isomers	SMSLA/IN/SOP/15	BLO (LOQ:0.01)	mg/kg	NMT 0.02
Pesticides Residues- Benzimidazole					
26	*Benomyl	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.10(Fat basis)
27	*Carbendazim	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.10(Fat basis)
Pesticides Residues- Chlorophenoxy acid or ester					
28	2,4-D	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- N-Methyl Carbamate					
29	Carbofuran	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- Organochlorine					
30	DDT	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.25
31	Aldrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
32	*Chlordane (cis & trans)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
33	Dieldrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
34	Heptachlor	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
Pesticides Residues- Organophosphorous					
35	*Chlorpyrifos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
36	*Edifenphos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
37	Ethion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.50
38	Fenthion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
39	*Monocrotophos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.02
40	*Phenthoate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
41	*Phorate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
42	*Primiphos methyl	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05

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Dr. R. Nagaraj
Authorised Signatory
Dr. R. NAGARAJ Mac, Mphil, PhD
Assistant Manager (Instrumentation)

39/6, Thiruvallur High Road, Puduchalam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600 124. Phone : 044-26811652 - 664

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43	Chlorfenvinphos (cis & trans)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.20
44	*Fenrothion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- Pyrethroids					
45	*Cypermethrin (isomers)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
46	*Fenvalerate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
Cyanamides					
47	Melamine	SMSLA/IN/SOP/41	BDL (DL:0.01)	mg/kg	NMT 2.50
Antioxidants					
48	*tert-Butylhydroquinone	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	mg/kg	--
49	*Butylated hydroxyanisole	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	mg/kg	--
50	*3,5-Di-tert-butylhydroxytoluene	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	mg/kg	--
51	*Ethoxyquin	SMSLA/IN/SOP/74	BLQ (LOQ:25.0)	µg/kg	--
Toxins-Aflatoxins					
52	*Aflatoxin B1	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
53	*Aflatoxin B2	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
54	*Aflatoxin G1	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
55	*Aflatoxin G2	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
56	*Total Afltoxins (B1+B2+G1+G2)	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	NMT 30.0
Toxins-Mycotoxins					
57	Aflatoxin M1	SMSLA/IN/SOP/21	BLQ (LOQ:0.05)	µg/kg	NMT 0.50
Toxins-NOTs					
58	*Hypericine	SMSLA/IN/SOP/53	BLQ (LOQ:0.2)	mg/kg	NMT:1.0
59	*Agaric Acid	SMSLA/IN/SOP/53	BLQ (LOQ:20.0)	mg/kg	NMT 100.0
60	*Safrole	SMSLA/IN/SOP/53	BLQ (LOQ:1.5)	mg/kg	NMT 10.0
61	*Hydrocyanic acid	AOAC 16th Edn. 2012-915.03	BLQ (LOQ:5.0)	mg/kg	NMT 5.0

Note: BDL: Below Detection Limit, DL: Detection Limit, BLQ: Below Quantification Limit, LOQ: Limit of Quantification

<1 cfu/ml can be taken as absent. *Non NABL Parameters.

Remarks: The above sample complies with the specification as per FSS Act 2006. The above tested Parameter.

End of Report

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Authorised Signatory

Dr. R.NAGARAJ Msc, M.Phil, PhD
Assistant Manager (Instrumentation)

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