



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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

Report No:FD/18040110-01

Report Date:11/04/2018

Customer Name	: M/s. A.R.Dairy Food Private Limited		
Customer Address	: No:10/5c, Madurai Road,Begampur Post, Dindigul-624 002, Tamil Nadu		
Sample Name	: Raaj Toned Milk		
Sample Description	: Raaj Toned Milk	Sample Quantity	: 5x1000ml
Reference	: Customer Letter Dated:04.04.2018	Sample Received on	: 06 Apr 2018
Sample Identification	: B.No: YVI,F2, Use by: 07.04.18	Test Started on	: 06 Apr 2018
Sample Collected By	: LABORATORY	Test Completed on	: 11 Apr 2018

T.O
S. Chinnamani

Test Results

S.No	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2016
Chemical					
1	Added Glucose	FSSAI Lab Manual-1	-	Absent	-
2	Ammonium Compounds	FSSAI Lab Manual-1	-	Absent	-
3	Anionic Compounds	FSSAI Lab Manual-1	-	Absent	-
4	Carbohydrate	ISSN 0254-4725 FAO Food and Nutrition Paper 77 Page No : 25	g/100g	5.89	-
5	Energy	ISSN 0254-4725 FAO Food and Nutrition Paper 77 Page No : 23	Kcal/100g	65.84	-
6	Fat	FSSAI Lab Manual-1	g/100g	3.09	NLT 3.0
7	Hydrocyanic acid	AOAC 20th Edition - 915.03	mg/kg	BLQ (LOQ : 5.0)	NMT 5.0
8	Hypochlorites and Chloramines	FSSAI Lab Manual-1	-	Absent	-
9	Milk Fat	FSSAI Lab Manual-1	g/100g	3.09	NLT 3.0
10	Nitrates	FSSAI Lab Manual-1	-	Absent	-
11	Protein (Nx6.38)	FSSAI Lab Manual-1	g/100g	3.59	-
12	Sodium Chloride	FSSAI Lab Manual-1	-	Absent	-
13	Solid Not Fat (SNF)	FSSAI Lab Manual-1	g/100g	9.52	NLT 8.5
14	Sugar as Sucrose	FSSAI Lab Manual-1	g/100g	Absent	-
15	Sulphate	FSSAI Lab Manual-1	-	Absent	-
16	Dulcin	FSSAI Lab Manual-1	-	Absent	-

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Authorised Signatory

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Sr. Exe. Chemist

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Cyanamides					
17	Melamine	SMSLA/IN/SOP/45	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
Heavy Metals					
18	Arsenic as As	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.01)	NMT 0.1
19	Cadmium as Cd	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.10)	NMT 1.50
20	Copper as Cu	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.10)	NMT 30.0
21	Lead as Pb	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.01)	NMT 0.02
22	Mercury as Hg	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.10)	NMT 1.0
23	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.10)	NMT 0.25
24	Tin as Sn	SMSLA/IN/SOP/87	mg/kg	BDL (DL :0.10)	NMT 250
Microbiological Analysis					
25	Coliform count	IS 5401 Part 1	cfu/ml	<1	<10 cfu/mL
26	E.coli	IS 5887 Part 1	-	Absent/ml	Absent/ml
27	Listeria monocytogenes	IS:14988 (Part-1)	-	Absent/ml	Absent/ml
28	S.aureus	IS 5887Part 2	cfu/ml	<1	<10 cfu/mL
29	Salmonella spp	IS 5887 Part 3	-	Absent/25ml	Absent/25mL
30	Total Bacterial Count	IS 5402	cfu/ml	12,000	30000/mL
31	Yeast and mould	IS 5403	cfu/ml	<1	-
Pesticide Residues					
32	Ethion	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.5
33	Heptachlor	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.15
34	Methyl Parathion	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	-
35	Monocrotofos	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.02
36	o,p DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
37	o,p DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
38	p,p DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25

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39	p,p DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
40	p,p DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
41	p,p DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
Pesticide Residues					
42	Phorate	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.05
43	Phorate sulphoxide	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05
Pesticides Residues- Organochlorine					
44	Aldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.15
45	Alpha - Endosulfan	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
46	alpha - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05
47	beta - Endosulfan	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
48	beta - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.02
49	delta - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.02
50	Dieldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.15
51	Endosulfan Sulfate	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
52	Heptachlor epoxide	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.15
53	Hexachlorobenzene	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
54	Lindane (gamma - HCH)	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
Pesticides Residues- Organophosphorous					
55	Chlorfenvinphos	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.2
56	Chlorpyrifos	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
57	Malaoxon	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
58	Malathion	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
59	Methyl Paraoxon	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
60	Parathion	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	-
61	Phorate Sulfone	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05

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Biological T-2639
Mechanical T-2838

S.No	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2016
62	Phorate Sulfoxide	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05
Physical					
63	Added Urea	FSSAI Lab Manual-1	-	Absent	-
64	Appearance	Physical Examination	-	White colour liquid	-
65	Boric Acid & Borates	FSSAI Lab Manual-1	-	Absent	-
66	Cane Sugar	FSSAI Lab Manual-1	-	Absent	-
67	Cellulose	FSSAI Lab Manual-1	-	Absent	-
68	Colour	Visual Examination	-	White colour	-
69	Foreign matter	Physical Examination	-	Absent	-
70	Formalin	FSSAI Lab Manual-1	-	Absent	-
71	Gelatin	FSSAI Lab Manual-1	-	Absent	-
72	Hydrogen Peroxide	FSSAI Lab Manual-1	-	Absent	-
73	Neutralisers	FSSAI Lab Manual-1	-	Absent	-
74	Odour	Physical Examination	-	Characteristic odour	-
75	Quarternary Ammonium Compounds	FSSAI Lab Manual-1	-	Absent	-
76	Saccharin	FSSAI Lab Manual-1	-	Absent	-
77	Starch	FSSAI Lab Manual-1	-	Absent	-
78	Taste	Physical Examination	-	Characteristic taste	-
Toxins-Mycotoxins					
79	Aflatoxin M1	SMSLA/IN/SOP/56	µg/kg	BLQ(LOQ:0.25)	NMT 0.5
Toxins-NOTs					
80	Agaric Acid	SMSLA/IN/SOP/053	mg/kg	BLQ(LOQ:20.0)	-
81	Hypericine	SMSLA/IN/SOP/53	mg/kg	BLQ(LOQ:0.20)	-
Toxins-NOTs					
82	Saffrole	SMSLA/IN/SOP/053	mg/kg	BLQ(LOQ:0.50)	-

Note :BDL: Below Detection Limit DL: Detection Limit. BLQ: Below Quantification Limit, LOQ: Limit of Quantification.
<1 cfu/mL can be taken as absent. cfu-colony forming unit

End of Report

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