



# SMS LABS SERVICES PRIVATE LIMITED



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

## TEST REPORT

Report No : QFD/18100178-002

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Report Date: 17 Oct 2018

Customer Name : M/s. A.R.Dairy Food Private Limited  
 Customer Address : No:10/5C, Madurai Road,Begampur Post, Dindigul-624 002  
 Sample Name : Raaj Toned Milk  
 Sample Description : Raaj Toned Milk  
 Reference : Customer Letter Dated 09.10.2018  
 Sample Identification : Batch No: QIK.H1, Use by dt: 13 OCT 18  
 Sample Drawn By : Customer

Sample Quantity : 2 ltr  
 Sample Received on : 11 Oct 2018  
 Test Started on : 11 Oct 2018  
 Test Completed on : 16 Oct 2018

### TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2017
<b>Biological</b>					
1	Total Plate Count	IS 5402	cfu/ml	8000	30000/ml
2	Coliform	IS 5401 Part 1	cfu/ml	<1	<10/ml
3	Escherichia coli	IS 5887 Part 1	--	Absent/ml	Absent/ml
4	Staphylococcus aureus	IS 5887 Part 2	cfu/ml	<1	<10/ml
5	Yeast & Mould	IS 5403	cfu/ml	<1	-
6	Listeria monocytogenes	IS 14988 Part 1	--	Absent/ml	Absent/ml
7	Salmonella	IS 5887 Part 3	--	Absent/25ml	Absent/25ml
<b>Chemical</b>					
8	Sugar (Sucrose)	IS 1479 Part - 2	--	Absent	--
9	Ammonium Compounds	FSSAI Manual - 1	--	Absent	--
10	Anionic Detergent	FSSAI Manual - 1	--	Absent	--
11	Dulcin	FSSAI Manual - 5	--	Absent	--
12	Gelatin	FSSAI Manual - 1	--	Absent	--
13	Protein	AOAC 20th Edn, 2016, 2001.11	g/100g	4.81	--
14	Carbohydrate	FSSAI Manual - 1	g/100g	4.13	--
15	Energy	SMSLA/FD/SOP/011	Kcal/100g	64.20	--
16	Fat	FSSAI Manual - 1	g/100g	3.16	--
17	Hypochlorites and Chloramines	FSSAI Manual - 1	--	Absent	--
18	Milk Fat	FSSAI Manual - 1	g/100g	3.16	NLT 3.0
19	Neutralizers	FSSAI Manual - 1	--	Absent	--
20	Nitrates	FSSAI Manual - 1	--	Absent	--

*S. Anbarasan*

S.ANBARASAN  
Manager Microbiology

*Dr. K. Thulasi Raman*  
Authorised Signatory

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Manager Laboratory

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2017
21	Quarternary Ammonium Compounds	FSSAI Manual - 1	--	Absent	--
22	Solid Not Fat (SNF)	FSSAI Manual - 1	g/100g	9.65	NLT 8.5
23	Sulphates	FSSAI Manual - 1	--	Absent	--
24	Hydrocyanic acid	AOAC 20th Edn, 2016, 915.03	mg/kg	BLQ(LOQ:5.0)	--
<b>Chemical - Adulterants</b>					
25	Saccharin	FSSAI Manual - 5	--	Absent	--
26	Sodium Chloride	FSSAI Manual - 1	--	Absent	--
27	Cellulose	FSSAI Manual - 1	--	Absent	--
28	Cane Sugar/Sucrose	FSSAI Manual - 1	--	Absent	--
29	Added Glucose	FSSAI Manual - 1	--	Absent	--
30	Starch	FSSAI Manual - 1	--	Absent	--
31	Added Urea	FSSAI Manual - 1	--	Absent	--
<b>Chemical - Preservatives</b>					
32	Boric Acid & Borates	FSSAI Manual - 1	--	Absent	--
33	Formalin	FSSAI Manual - 1	--	Absent	--
34	Hydrogen Peroxide	FSSAI Manual - 1	--	Absent	--
<b>Cyanamides</b>					
35	Melamine	SMSLA/IN/SOP/45	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
<b>Heavy Metals</b>					
36	Arsenic as As	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.01)	NMT 0.1
37	Cadmium as Cd	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 1.5
38	Copper as Cu	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 30.0
39	Lead as Pb	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.01)	NMT 0.02
40	Mercury as Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 1.0
41	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 0.25
42	Tin as Sn	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 250
<b>Pesticide Residues</b>					
43	OC Pesticides - G				
	1) 2,4' - DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
	2) 2,4' - DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
	3) 2,4' - DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
	4) 4,4' - DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25

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	5) 4,4' - DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
	6) 4,4' - DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 1.25
	7) Aldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.15
	8) alpha - Endosulfan	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	9) alpha - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05
	10) beta - Endosulfan	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	11) beta - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.02
	12) delta - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.02
	13) Dieldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	14) Endosulfan Sulfate	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	15) Heptachlor	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	16) Heptachlor epoxide	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	17) Hexachlorobenzene	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	18) Lindane (gamma - HCH)	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
44	OP Pesticides - G				
	1) Chlorpyrifos	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	2) Parathion ethyl	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	3) Parathion methyl	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
45	OP Pesticides - G				
	1) Chlorfenvinphos (cis & trans)	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.2
	2) Ethion	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.5
46	OP Pesticides - L				
	1) Phorat sulfone	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05
	2) Phorate sulphoxide	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.05
47	OP Pesticides - L				
	1) Malaoxon	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	--
	2) Malathion	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	--
	3) Monocrotophos	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.02
	4) Paraoxan methyl	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	--
	5) Phorate	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.05
<b>Physical</b>					
48	Color	Physical Examination	--	Absent	--

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2017
49	Appearance	Physical Examination	--	White	--
50	Odour	Physical Examination	--	Characteristic odour	--
51	Foreign Matter	Physical Examination	--	Absent	--
52	Taste	Physical Examination	--	Characteristic taste	--
<b>Toxins-Mycotoxins</b>					
53	Aflatoxin M1	SMSLA/IN/SOP/58	µg/kg	BLQ(LOQ:0.25)	NMT 0.5
<b>Toxins-NOTs</b>					
54	Agaric Acid	SMSLA/IN/SOP/53	µg/kg	BLQ(LOQ:20.0)	--
55	Hypericine	SMSLA/IN/SOP/53	µg/kg	BLQ(LOQ:0.2)	--
56	Safrole	SMSLA/IN/SOP/53	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.

Remarks: The above sample complies with the specification as per FSSR 2011, Amendment 2017 for the above tested parameters.

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

  
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