



SMS LABS SERVICES PRIVATE LIMITED



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

TEST REPORT

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Report No : QFD/19060149-002

Report Date: 13 Jun 2019

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 Standardized Milk
Sample Description : Raaj Standardized Milk
Reference : Customer Letter Dated 06.06.2019
Sample Identification : Batch No; KYA.C1, UBD: 08 JUN 19
Sample Drawn By : Customer
Sample Quantity : 5x500ml
Sample Received on : 07 Jun 2019
Test Started on : 08 Jun 2019
Test Completed on : 13 Jun 2019

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2019
Biological					
1	Coliform	IS 5401 Part 1	cfu/ml	<1	<10/ml
2	Escherichia coli	IS 5887 Part 1	--	Absent/ml	Absent/ml
3	Listeria monocytogenes	IS 14988 Part 1	--	Absent/ml	Absent/ml
4	Salmonella	IS 5887 Part 3	--	Absent/25ml	Absent/25ml
5	Staphylococcus aureus	IS 5887 Part 2	cfu/ml	<1	<10/ml
6	Total Plate Count	IS 5402	cfu/ml	8000	30000/ml
7	Yeast & Mould	IS 5403	cfu/ml	<1	--
Chemical					
8	Ammonium Compounds	FSSAI Manual - 1	--	Absent	--
9	Anionic Compounds	FSSAI Manual - 1	--	Absent	--
10	Carbohydrate	IS 1656	g/100g	5.48	--
11	Dulcin	FSSAI Manual - 1	--	Absent	--
12	Energy	SMSLA/FD/SOP/011	Kcal/100g	76.94	--
13	Fat	FSSAI Manual - 1	g/100g	4.58	--
14	Gelatin	FSSAI Manual - 1	--	Absent	--
15	Hypochlorites and Chloramines	FSSAI Manual - 1	--	Absent	--
16	Milk Fat	FSSAI Manual - 1	g/100g	4.58	NLT 4.5
17	Neutralizers	FSSAI Manual - 1	--	Absent	--
18	Nitrates	FSSAI Manual - 1	--	Absent	--
19	Protein (N * 6.38)	AOAC 21st Edition - 2001.11	g/100g	3.45	--
20	Quarternary Ammonium Compounds	FSSAI Manual - 1	--	Absent	--
21	Solid Not Fat (SNF)	FSSAI Manual - 1	g/100g	8.93	NLT 8.50

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Manager Microbiology

P. KUMAR
Senior Manager

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2019
22	Sugar (Sucrose)	IS 1479 Part - 2	--	Absent	--
23	Sulphates	FSSAI Manual - 1	--	Absent	--
Chemical - Adulterants					
24	Added Glucose	FSSAI Manual - 1	--	Absent	--
25	Added Urea	FSSAI Manual - 1	--	Absent	--
26	Cane Sugar/Sucrose	FSSAI Manual - 1	--	Absent	--
27	Cellulose	FSSAI Manual - 1	--	Absent	--
28	Saccharin	FSSAI Manual - 1	--	Absent	--
29	Sodium Chloride	FSSAI Manual - 1	--	Absent	--
30	Starch	FSSAI Manual - 1	--	Absent	--
Chemical - Preservatives					
31	Boric Acid & Borates	FSSAI Manual - 1	--	Absent	--
32	Formalin	FSSAI Manual - 1	--	Absent	--
33	Hydrogen Peroxide	FSSAI Manual - 1	--	Absent	--
Cyanamides					
34	Melamine	SMSLA/IN/SOP/45	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
Heavy Metals					
35	Arsenic as As	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.01)	NMT 0.10
36	Cadmium as Cd	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 1.50
37	Copper as Cu	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 30.0
38	Lead as Pb	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.01)	NMT 0.02
39	Mercury as Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 1.0
40	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 0.25
41	Tin as Sn	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 250
Pesticide Residues					
42	Ethion	SMSLA/IN/SOP/92	mg/kg	BDL(DL:0.01)	NMT 0.5
43	OC Pesticides - G				
	1) 2,4' - DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	2) 2,4' - DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	3) 2,4' - DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	4) 4,4' - DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01


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	5) 4,4' - DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	6) 4,4' - DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	7) Aldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	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 0.01
	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 0.01
	12) delta - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	13) Dieldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	14) Endosulfan Sulfate	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	15) Heptachlor	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 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) Hexachlorocyclohexane	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	19) Lindane (gamma - HCH)	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
44	OP Pesticides - G				
	1) Chlorpyrifos	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	NMT 0.01
	2) 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 0.01
	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
48	Parathion	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--


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Physical					
49	Appearance	Physical Examination	--	White colour liquid	--
50	Color	Physical Examination	--	White colour	--
51	Foreign Matter	Physical Examination	--	Absent	--
52	Odour	Physical Examination	--	Characteristic Odour	--
53	Taste	Physical Examination	--	Characteristic Taste	--
Toxins-Mycotoxins					
54	Aflatoxin M1	SMSLA/IN/SOP/58	µg/kg	BLQ(LOQ:0.25)	NMT 0.50
Toxins-NOTs					
55	Agaric Acid	SMSLA/IN/SOP/53	mg/kg	BLQ(LOQ:20.0)	--
56	Hydrocyanic acid	AOAC 21st Edition - 915.03	mg/kg	BLQ(LOQ:5.0)	--
57	Hypericine	SMSLA/IN/SOP/53	mg/kg	BLQ(LOQ:0.20)	--
58	Safrrole	SMSLA/IN/SOP/53	mg/kg	BLQ(LOQ:0.50)	--

Remarks: The above sample complies with the specification as per FSSR 2011, Amendment 2019 for the above tested parameters.

Note : <1 cfu/mL can be taken as absent. cfu-colony forming unit.

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

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

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