



TEST REPORT



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

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Report No : QFD/18110284-001

Report Date: 21 Nov 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 : Double Toned Milk
Sample Description : Double Toned Milk
Reference : Test Request Form Dated 15.11.2018
Sample Identification : Batch No; UAQ.D3, Use by Date: 18 Nov 18
Sample Drawn By : Customer

Sample Quantity : 2.500 ltr
Sample Received on : 16 Nov 2018
Test Started on : 16 Nov 2018
Test Completed on : 21 Nov 2018

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2017
Biological					
1	Total Plate Count	IS 5402	cfu/ml	19000	30,000
2	Coliform	IS 5401 Part 1	cfu/ml	<1	<10/ml
3	Escherichia coli	IS 5887 Part 1	--	Absent/ml	NA
4	Staphylococcus aureus	IS 5887 Part 2	cfu/ml	<1	NA
5	Yeast & Mould	IS 5403	cfu/ml	<1	NA
6	Listeria monocytogenes	IS 14988 Part 1	--	Absent/ml	Absent/25ml
7	Salmonella	IS 5887 Part 3	--	Absent/25ml	Absent/25ml
Chemical					
8	Sugar (Sucrose)	IS 1479 Part - 2	%	Absent	--
9	Ammonium Compounds	FSSAI Manual - 1	--	Absent	--
10	Anionic Compounds	FSSAI Manual - 1	--	Absent	--
11	Dulcin	FSSAI Manual - 1	--	Absent	--
12	Hypochlorites and Chloramines	FSSAI Manual - 1	--	Absent	--
13	Milk Fat	FSSAI Manual - 1	g/100g	1.55	NLT 1.50
14	Neutralizers	FSSAI Manual - 1	--	Absent	--
15	Nitrates	FSSAI Manual - 1	--	Absent	--
16	Quarternary Ammonium Compounds	FSSAI Manual - 1	--	Absent	--
17	Solid Not Fat (SNF)	FSSAI Manual - 1	g/100g	9.11	NLT 9.0
18	Sulphates	FSSAI Manual - 1	--	Absent	--
19	Hydrocyanic acid	AOAC 20th Edn, 2016, 915.03	mg/kg	BLQ(LOQ:5.0)	--
20	Protein (N * 6.38)	AOAC 20th Edn, 2016, 2001.11	g/100g	3.40	--
21	Energy	SMSLA/FD/SOP/011	Kcal/100g	47.95	--

Authorised Signatory

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Manager Laboratory

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22	Fat	FSSAI Manual - 1	g/100g	1.55	--
23	Carbohydrate	FSSAI Manual - 1	g/100g	5.10	--
24	Gelatin	FSSAI Manual - 1	--	Absent	--
Chemical - Adulterants					
25	Cellulose	FSSAI Manual - 1	--	Absent	--
26	Added Glucose	FSSAI Manual - 1	--	Absent	--
27	Starch	FSSAI Manual - 1	--	Absent	--
28	Added Urea	FSSAI Manual - 1	--	Absent	--
29	Saccharin	FSSAI Manual - 1	--	Absent	--
30	Sodium Chloride	FSSAI Manual - 1	--	Absent	--
31	Cane Sugar/Sucrose	FSSAI Manual - 1	--	Absent	--
Chemical - Preservatives					
32	Boric Acid & Borates	FSSAI Manual - 1	--	Absent	--
33	Hydrogen Peroxide	FSSAI Manual - 1	--	Absent	--
34	Formalin	FSSAI Manual - 1	--	Absent	--
Cyanamides					
35	Melamine	SMSLA/IN/SOP/45	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
Heavy Metals					
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:0.10)	NMT 1.50
38	Copper as Cu	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.10)	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:0.10)	NMT 1.0
41	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.10)	NMT 0.25
42	Tin as Sn	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.10)	NMT 250.0
Pesticide Residues					
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
	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


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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2017
	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 0.02
	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)	NMT 0.15
	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)	NMT 0.15
	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)	NMT 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
Physical					
48	Color	Physical Examination	--	White colour	--
49	Appearance	Physical Examination	--	White coloured liquid	--
50	Odour	Physical Examination	--	Characteristic odour	--
51	Foreign Matter	Physical Examination	--	Absent	--

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2017
52	Taste	Physical Examination	--	Characteristic taste	--
Toxins-Mycotoxins					
53	Aflatoxin M1	SMSLA/TN/SOP/58	µg/kg	BLQ(LOQ:0.25)	NMT 0.5
Toxins-NOTs					
54	Agaric Acid	SMSLA/TN/SOP/53	µg/kg	BLQ(LOQ:20.0)	NMT 100
55	Hypercine	SMSLA/TN/SOP/53	µg/kg	BLQ(LOQ:0.20)	NMT 1.0
56	Safrole	SMSLA/TN/SOP/53	mg/kg	BLQ(LOQ:0.50)	NMT 10.0

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