



SMS LABS SERVICES PRIVATE LIMITED



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

Report No : QFD/18100178-003

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 Pasteurized Butter
Sample Description : Raaj Pasteurized Butter
Reference : Customer Letter Dated 09.10.2018
Sample Identification : Batch No: ARDF/CKB, D.O.P: 08.10.18
Sample Drawn By : Customer

Sample Quantity : 2 kg
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
Biological					
1	Total Plate Count	IS 5402	cfu/gm	<10	25000/g
2	Coliform	IS 5401 Part 1	cfu/gm	<10	10/g
3	Escherichia coli	IS 5887 Part 1	--	Absent/g	Absent/g
4	Staphylococcus aureus	IS 5887 Part 2	cfu/gm	<10	20/g
5	Yeast & Mould	IS 5403	cfu/gm	<10	20/g
6	Listeria monocytogenes	IS 14988 Part 1	--	Absent/g	Absent/g
7	Salmonella	IS 5887 Part 3	--	Absent/25g	Absent/25g
Chemical					
8	Sugar (Sucrose)	IS 1479 Part - 2	--	Absent	--
9	Solid Not Fat (SNF)	FSSAI Manual - 1	g/100g	0.85	--
10	Hydrocyanic acid	AOAC 20th Edn, 2016, 915.03	mg/kg	BLQ(LOQ:5.0)	--
11	Protein	AOAC 20th Edn, 2016, 2001.11	g/100g	1.90	--
12	Carbohydrate	FSSAI Manual - 1	g/100g	0.81	--
13	Energy	SMSLA/FD/SOP/011	Kcal/100g	762.95	--
14	Fat	FSSAI Manual - 1	g/100g	83.55	NLT 76.0
15	Milk Fat	FSSAI Manual - 1	g/100g	83.55	NLT 76.0
16	Animal body Fat	FSSAI Manual - 2	--	Absent	--
17	Mineral Oil	FSSAI Manual - 1	--	Absent	--
Cyanamides					
18	Melamine	SMSLA/IN/SOP/45	mg/kg	BLQ(LOQ:0.01)	NMT 2.5

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Manager Microbiology

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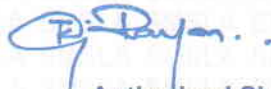
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Heavy Metals					
19	Arsenic as As	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.01)	NMT 1.1
20	Cadmium as Cd	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 1.5
21	Copper as Cu	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 30.0
22	Lead as Pb	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.01)	NMT 0.02
23	Mercury as Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 1.0
24	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 0.25
25	Tin as Sn	SMSLA/IN/SOP/87	mg/kg	BDL(DL:0.1)	NMT 250.0
Pesticide Residues					
26	OC Pesticides - G				
	1) 2,4' - DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	2) 2,4' - DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	3) 2,4' - DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	4) 4,4' - DDD	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	5) 4,4' - DDE	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	6) 4,4' - DDT	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	7) Aldrin	SMSLA/IN/SOP/15	mg/kg	BDL(DL: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)	--
	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)	--
	12) delta - HCH	SMSLA/IN/SOP/15	mg/kg	BDL(DL:0.01)	--
	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)	--
27	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)	--
28	OP Pesticides - G				


Authorised Signatory
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	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
29	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
30	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					
31	Color	Physical Examination	--	Pale yellow	--
32	Appearance	Physical Examination	--	Semi solid	--
33	Odour	Physical Examination	--	Characteristic odour	--
34	Foreign Matter	Physical Examination	--	Absent	--
35	Taste	Physical Examination	--	Characteristic taste	--
Toxins-Mycotoxins					
36	Aflatoxin M1	SMSLA/IN/SOP/58	µg/kg	BLQ(LOQ:0.25)	--
Toxins-NOTs					
37	Agaric Acid	SMSLA/IN/SOP/53	µg/kg	BLQ(LOQ:20.0)	--
38	Hypericine	SMSLA/IN/SOP/53	µg/kg	BLQ(LOQ:0.2)	--
39	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.
<10cfu/g Can be taken as absent in 1:10 dilution. 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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