



# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT



TC-6118

ULR - TC61182200000972F  
Report No : QFD22020140-07

Page 1 of 5  
Report Date: 14 Feb 2022

**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 Butter  
**Sample Description** : Raaj Butter  
**Reference** : Test Request Form Date 08.02.2022  
**Sample Identification** : Batch No:YFB, Mfg Date:29.01.2022  
**Sample Drawn By** : Customer  
**Sample Quantity** : 200g x 2No's  
**Sample Received on** : 09 Feb 2022  
**Test Started on** : 09 Feb 2022  
**Test Completed on** : 14 Feb 2022

### TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011 Amd.2022
<b>Food &amp; Agri- Milk &amp; Dairy Products</b>					
<b>Antibiotics - Beta Lactam</b>					
1	Amoxicillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.01)	--
2	Ampicillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.01)	--
3	Cefapirin (Cephapirin)	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.01)	--
4	Ceftiofur	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.01)	--
5	Cloxacillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.01)	--
6	Penicillin G	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.01)	--
<b>Antibiotics - Sulfonamides</b>					
7	Sulfadiazine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
8	Sulfaguanidine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
9	Sulfamethazine / Sulfadimidine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
10	Sulfanilamide	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
11	Sulfaquinoxaline / Sulfachinoxalin	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
12	Sulfathiazole	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
<b>Antibiotics- Fluoroquinolones</b>					
13	Enrofloxacin	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.01)	--
<b>Antibiotics-Tetracyclines</b>					
14	Sum of Oxytetracycline (OTC) and 4- Epioxytetracycline (4-EOTC)	SMSLA/LS/SOP/06	mg/kg	BLQ(LOQ:0.01)	--
<b>Biological</b>					
15	<i>Escherichia coli</i>	IS 5887 (Part 1)	Per g	Absent	Absent

**D. KARTHIK**  
Microbiologist

**K. PRAKASH**  
Senior Chemist

Laboratory Address : 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.  
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16	<i>Listeria monocytogenes</i>	IS 14988 (Part 1)	Per g	Absent	Absent
17	<i>Salmonella spp</i>	IS 5887 (Part 3)	Per 25g	Absent	Absent
18	<i>Staphylococcus aureus</i>	IS 5887 (Part 2)	cfu/g	<10	NMT 10
19	Total Coliforms	IS 5401 (Part 1)	cfu/g	<10	NMT 10
20	Total Plate Count	IS 5402	cfu/g	800	NMT 25000
21	Yeast and mould	IS 5403	cfu/g	<10	NMT 20
<b>Chemical</b>					
22	Acidity as Lactic Acid	FSSAI Manual 1	g/100g	0.041	--
23	Total Carbohydrates	IS 1656	g/100g	Nil	--
24	Cellulose	FSSAI Manual 1	--	Absent	--
25	Energy	SMSLA/FD/SOP/011	Kcal/100g	755.77	--
26	Total Fat	FSSAI Manual 1	g/100g	83.61	NLT 76.0
27	Free Fatty Acid as Oleic acid	FSSAI Manual 1	g/100g	0.283	--
28	Maltodextrin/ Dextrin	IS 1479 (Part 1)	--	Absent	--
29	Mineral Oil	FSSAI Manual 2	--	Absent	--
30	Moisture	FSSAI Manual 1	g/100g	14.12	--
31	Peroxide value	FSSAI Manual 1	meq/Kg	Nil	--
32	Protein	AOAC 2001.11	g/100g	0.82	--
33	Solid Not Fat	AOAC 990.21	g/100g	2.27	--
34	Starch	FSSAI Manual 1	--	Absent	--
35	Vanaspathi	FSSAI Manual 1	--	Absent	--
<b>Fatty Acid Profile</b>					
36	Mono-unsaturated Fat	SMSLA/GM/SOP/01	g/100g	22.311	--
37	Polyunsaturated Fat	SMSLA/GM/SOP/01	g/100g	1.1	--
38	Saturated Fat	SMSLA/GM/SOP/01	g/100g	52.677	--
39	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
40	Omega- 3 Fatty Acids	SMSLA/GM/SOP/01	g/100g	0.921	--
41	Omega- 6 Fatty Acids	SMSLA/GM/SOP/01	g/100g	2.170	--
<b>Mycotoxins</b>					
42	Aflatoxin M1	SMSLA/HC/SOP/03	µg/kg	BLQ(LOQ:0.25)	--

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*K. Prakash*  
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Page 3 of 5  
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<b>Others - Cyanamides</b>					
43	Melamine	SMSLA/LS/SOP/11	mg/kg	BLQ(LOQ:0.01)	NM 2.5
<b>Pesticides</b>					
44	(2,4-Dichlorophenoxy) acetic acid sodium salt	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
45	Acephate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
46	Acetamiprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
47	Azoxystrobin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
48	Benomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
49	Bifenthrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.2
50	Bitertanol	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
51	Buprofezin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
52	Carbaryl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
53	Carbendazim	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
54	Carbofuran	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
55	Chlorantraniliprole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
56	Chlorothalonil	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.07
57	Chlorpyrifos Ethyl	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
58	Clothianidin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
59	Cypermethrin-(I,II,III,IV)	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
60	Deltamethrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
61	Dichlorvos	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
62	Difenoconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
63	Dimethoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
64	Dinotefuran	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
65	Edifenphos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
66	Emamectin benzoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
67	Ethion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.5
68	Etofenprox	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
69	Fenpropathrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1

  
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Page 4 of 5  
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70	Fenpyroximate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
71	Fipronil	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
72	Flubendiamide	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
73	Flusilazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
74	Glufosinate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
75	Imidacloprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
76	Indoxacarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
77	Kresoxim methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
78	Mancozeb as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
79	Metalachlor	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
80	Methomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
81	Methyl Chlorophenoxy Acetic Acid (MCPA)	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.04
82	Metiram as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
83	Monocrotophos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
84	Oxydemeton methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
85	Paraquat	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
86	Penconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
87	Phenthoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
88	Phorate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
89	Pirimiphos methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
90	Propiconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
91	Pyraclostrobin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.03
92	Tebuconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
93	Thiocloprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
94	Thiodicarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
95	Thiometon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
96	Triacantanol	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
97	Triadimefon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
98	Trichlorfon (Dylox)	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05

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Page 5 of 5

Report Date: 14 Feb 2022

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<b>Sterols</b>					
99	Cholesterol	SMSLA/GM/SOP/02	mg/100g	133.88	--
<b>Trace Metal Elements</b>					
100	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	NMT 1.1
101	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
102	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	NMT 0.25

Remarks: The sample complies with the specification as per FSSR 2011, Amendment 2022 for the above tested parameters.

Note: BLQ: Below Limit of Quantification; LOQ: Limit of Quantification. NMT: Not more than. NLT: Not less than <10Cfu/g can be taken as absent in 1:10 dilution.cfu-colony forming unit.

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

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