



SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

TC-6118

ULR - TC611824000008032F

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Report No : QFD24020525-01

Report Date: 20 Feb 2024

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 Cooking Butter **Sample Quantity** : 100g x 2No's
Sample Description : Raaj Pasteurized Cooking Butter **Sample Received on** : 15 Feb 2024
Reference : Test Request Form Dated 14.02.2024 **Test Started on** : 15 Feb 2024
Sample Identification : Batch No: NMP, PKD: 05/01/2024, **Test Completed on** : 20 Feb 2024
Exp Date: 05/07/2024
Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011
Antibiotics - Beta Lactam					
1	Amoxicillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.0004)	--
2	Ampicillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.0004)	--
3	Cefapirin (Cephapirin)	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.001)	--
4	Ceftiofur	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.002)	--
5	Cloxacillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.002)	--
6	Penicillin G	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.0004)	--
7	Penicillin V	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.0004)	--
Antibiotics - Sulfonamides					
8	Sulfadiazine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.0009)	--
9	Sulfaguanidine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.0009)	--
10	Sulfamethazine / Sulfadimidine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.0009)	--
11	Sulfanilamide	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.0009)	--
12	Sulfaquinoxaline / Sulfachinoxalin	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.0009)	--
13	Sulfathiazole	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.0009)	--
Antibiotics- Fluoroquinolones					
14	Enrofloxacin	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.005)	--
Antibiotics-Tetracyclines					
15	Sum of Oxytetracycline (OTC) and 4- Epioxytetracycline (4-EOTC)	SMSLA/LS/SOP/06	mg/kg	BLQ(LOQ:0.01)	--

A. Kanagavel
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011
Biological					
16	<i>Escherichia coli</i>	IS 5887 (Part 1)	Per g	Absent	Absent
17	<i>Listeria monocytogenes</i>	IS 14988 (Part 1)	Per g	Absent	Absent
18	<i>Salmonella spp</i>	IS 5887 (Part 3)	Per 25g	Absent	Absent
19	<i>Staphylococcus aureus</i>	IS 5887 (Part 2)	cfu/g	<10	NMT 10
20	Total Coliforms	IS 5401 (Part 1)	cfu/g	<10	NMT 10
21	Total Plate Count	IS 5402	cfu/g	800	NMT 25000
22	Yeast and mould	IS 5403	cfu/g	<10	NMT 20
Chemical					
23	Acidity as Lactic Acid	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	g/100g	0.093	--
24	Added Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
25	Total Carbohydrates	IS 1656	g/100g	Nil	--
26	Cellulose	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	--	Absent	--
27	Dietary Fibre	AOAC 985.29	g/100g	Nil	--
28	Total Energy	SMSLA/FD/SOP/011	Kcal/100g	747.71	--
29	Total Fat	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	g/100g	82.67	NLT 76.0
30	Free Fatty Acid as Oleic acid	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	g/100g	0.33	--
31	Maltodextrin/ Dextrin	IS 1479 (Part 1)	--	Absent	--
32	Mineral Oil	FSSAI Manual of Methods of Analysis- Oils and Fats	--	Absent	--
33	Moisture	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	g/100g	15.33	--
34	Peroxide value	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	meq/Kg	Nil	--


S. Anbarasan
 Authorized Signatory-Biological


A. Kanagavel
 Authorized Signatory-Chemical

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35	Total Protein	AOAC 2001.11	g/100g	0.92	--
36	Solid Not Fat	AOAC 990.21	g/100g	Nil	--
37	Starch	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products	--	Absent	--
38	Total Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
Fatty Acid Profile					
39	Mono-unsaturated Fat	SMSLA/GM/SOP/01	g/100g	24.021	--
40	Omega 3	SMSLA/GM/SOP/01	g/100g	0.295	--
41	Omega 6	SMSLA/GM/SOP/01	g/100g	1.825	--
42	Polyunsaturated Fat	SMSLA/GM/SOP/01	g/100g	1.376	--
43	Saturated Fat	SMSLA/GM/SOP/01	g/100g	55.153	--
44	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
Fatty Acid Profile Trans Fatty Acids (TFA's)					
45	C18:2; Linolelaidic acid	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
Mycotoxins					
46	Aflatoxin M1	SMSLA/HC/SOP/03	µg/kg	BLQ(LOQ:0.25)	--
Others - Cyanamides					
47	Melamine	SMSLA/LS/SOP/11	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
Pesticides					
48	2,4-D	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
49	Acephate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
50	Acetamiprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
51	Azoxystrobin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
52	Benomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
53	Bifenthrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.2
54	Bitertanol	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
55	Buprofezin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
56	Carbaryl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
57	Carbendazim	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
58	Carbofuran	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05


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59	Chlorantraniliprole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
60	Chlorothalonil	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.07
61	Chlorpyrifos Ethyl	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
62	Clothianidin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
63	Cypermethrin-(I,II,III,IV)	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
64	Deltamethrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
65	Dichlorvos	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
66	Difenoconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
67	Dimethoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
68	Dinotefuran	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
69	Edifenphos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
70	Emamectin benzoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
71	Ethion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.5
72	Etofenprox	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
73	Fenpropathrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
74	Fenpyroximate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
75	Fipronil	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.0025)	NMT 0.02
76	Flubendiamide	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
77	Flusilazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
78	Glufosinate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
79	Imidacloprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
80	Indoxacarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
81	Kresoxim methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
82	Mancozeb as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
83	Metalachlor	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
84	Methomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
85	Methyl Chlorophenoxy Acetic Acid (MCPA)	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.04
86	Metiram as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
87	Monocrotophos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
88	Oxydemeton methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01

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89	Paraquat	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
90	Penconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
91	Phenthoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
92	Phorate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
93	Pirimiphos methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
94	Propiconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
95	Pyraclostrobin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.03
96	Tebuconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
97	Thiocloprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
98	Thiodicarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
99	Thiometon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
100	Triacantanol	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
101	Triadimefon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
102	Trichlorfon (Dylox)	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
Sterols					
103	Cholesterol	SMSLA/GM/SOP/02	mg/100g	170.28	--
Trace Metal Elements					
104	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 1.1
105	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
106	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	NMT 0.25
107	Sodium	SMSLA/IS/SOP/05	mg/kg	BLQ(LOQ:5.0)	--

Note: <10cfu/g can be taken as absent in 1:10 dilution.cfu-colony forming unit.

BLQ: Below Limit of Quantification; LOQ: Limit of Quantification. NMT: Not more than. NLT: Not less than.

Remarks: The sample conforms with the specification as per Food Safety and Standards Regulation 2011, for the above tested parameters.

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


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