



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118


ULR - TC611823000020144F
Report No : QFD23070026-01

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Report Date: 06 Jul 2023

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 Spray Dried Skimmed Milk Powder **Sample Quantity** : 200g x 2No's
Sample Description : Raaj Spray Dried Skimmed Milk Powder **Sample Received on** : 01 Jul 2023
Reference : Test Request Form Dated 29.06.2023 **Test Started on** : 01 Jul 2023
Sample Identification : Batch No: 090, Mfg Date: Jun-2023 **Test Completed on** : 06 Jul 2023
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:0.002)	--
2	Ampicillin	SMSLA/LS/SOP/09	mg/kg	BLQ(LOQ:0.002)	--
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:0.002)	--
Antibiotics - Sulfonamides					
7	Sulfadiazine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.001)	--
8	Sulfaguanidine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.001)	--
9	Sulfamethazine / Sulfadimidine	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.001)	--
10	Sulfanilamide	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.001)	--
11	Sulfaquinoxaline / Sulfachinoxalin	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.001)	--
12	Sulfathiazole	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.001)	--
Antibiotics- Fluoroquinolones					
13	Enrofloxacin	SMSLA/LS/SOP/07	mg/kg	BLQ(LOQ:0.00025)	--
Antibiotics-Tetracyclines					
14	Sum of Oxytetracycline (OTC) and 4- Epioxytetracycline (4-EOTC)	SMSLA/LS/SOP/06	mg/kg	BLQ(LOQ:0.005) Each	--


K.PRAKASH
Senior Chemist

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Chemical					
15	Added Colouring Matter	FSSAI Manual 5	--	Absent	--
16	Added Sugar	SMSLA/FD/SOP/019	g/100g	Nil	--
17	Added Urea	FSSAI Manual 1	--	Absent	--
18	Boric Acid & Borates	FSSAI Manual 1	--	Absent	--
19	Carbohydrates	IS 1656	g/100g	52.11	--
20	Dietary Fibre	AOAC 985.29	g/100g	Nil	--
21	Energy	SMSLA/FD/SOP/011	Kcal/100g	358.20	--
22	Extraneous Matter/ Foreign Matter	SMSLA/FD/SOP/015	--	Absent	--
23	Flavour/ Odour	SMSLA/FD/SOP/033	--	Pleasant Flavour/ Odour	--
24	Formaldehyde	FSSAI Manual 1	--	Absent	--
25	Hydrogen Peroxide	FSSAI Manual 1	--	Absent	--
26	Insolubility Index	IS 12759	ml	0.15	NMT 2.0
27	Lactose	IS 1479 (Part 2)	g/100g	52.11	--
28	Milk Fat	FSSAI Manual 1	g/100g	1.04	NMT 1.5
29	Milk Protein	AOAC 2001.11	g/100g	34.83	NLT 34.0
30	Moisture	FSSAI Manual 1	g/100g	3.42	NMT 5.0
31	Scorched Particles	IS 13500	--	Disc A	Disc B
32	Taste	SMSLA/FD/SOP/033	--	Characteristic Taste	--
33	Total ash (on dry basis)	FSSAI Manual 1	g/100g	7.85	NMT 9.3
34	Total Solids	FSSAI Manual 1	g/100g	96.58	--
35	Titrable acidity	IS 11766	ml of 0.1	16.4	NMT 18.0
Fatty Acid Profile					
36	Saturated Fat	SMSLA/GM/SOP/01	g/100g	0.89	--
37	Trans Fat	SMSLA/GM/SOP/01	g/100g	BLQ(LOQ:0.001)	--
Mycotoxins					
38	Aflatoxin M1	SMSLA/HC/SOP/03	µg/kg	BLQ(LOQ:0.25)	NMT 6.0
Others - Cyanamides					
39	Melamine	SMSLA/LS/SOP/11	mg/kg	BLQ(LOQ:0.01)	NMT 2.5

K. Prakash

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Senior Chemist

S. Reshma

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Pesticides					
40	2,4-D	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
41	Acephate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
42	Acetamiprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
43	Azoxystrobin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
44	Benomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
45	Bifenthrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.2
46	Bitertanol	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
47	Buprofezin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
48	Carbaryl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
49	Carbendazim	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
50	Carbofuran	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
51	Chlorantraniliprole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
52	Chlorothalonil	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.07
53	Chlorpyrifos Ethyl	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
54	Clothianidin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
55	Cypermethrin-(I,II,III,IV)	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
56	Deltamethrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
57	Dichlorvos	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
58	Difenoconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
59	Dimethoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
60	Dinotefuran	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
61	Edifenphos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
62	Emamectin benzoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
63	Ethion	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.5
64	Etofenprox	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
65	Fenpropathrin	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
66	Fenpyroximate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
67	Fipronil	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
68	Flubendiamide	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
69	Flusilazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05

K. PRAKASH
Senior Chemist

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70	Glufosinate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
71	Imidacloprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
72	Indoxacarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
73	Kresoxim methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
74	Mancozeb as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
75	Metalachlor	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
76	Methomyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
77	Methyl Chlorophenoxy Acetic Acid (MCPA)	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.04
78	Metiram as CS2	SMSLA/GM/SOP/05	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
79	Monocrotophos	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
80	Oxydemeton methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
81	Paraquat	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
82	Penconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
83	Phenthoate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
84	Phorate	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
85	Pirimiphos methyl	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
86	Propiconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
87	Pyraclostrobin	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.03
88	Tebuconazole	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
89	Thiocloprid	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
90	Thiodicarb	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
91	Thiometon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	--
92	Triacantanol	SMSLA/GS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
93	Triadimefon	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
94	Trichlorfon (Dylox)	SMSLA/LS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
Preservatives					
95	Sorbic acid	SMSLA/HC/SOP/18	mg/kg	BLQ(LOQ:10.0)	--
Sterols					
96	Cholesterol	SMSLA/GM/SOP/02	g/100g	0.021	--

K.PRAKASH
Senior Chemist

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S.NO	Parameter	Test Method	Unit	Results	Requirement as per FSSR 2011.
Trace Metal Elements					
97	Arsenic	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 1.1
98	Calcium	SMSLA/IS/SOP/05	mg/kg	1350.40	--
99	Lead	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
100	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02	mg/kg	BLQ(LOQ:0.1)	NMT 0.25
101	Potassium	SMSLA/IS/SOP/05	mg/kg	1620.80	--
102	Sodium	SMSLA/IS/SOP/05	mg/kg	483.25	--

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

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

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

K. PRAKASH
Senior Chemist

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Sample Description : Raaj Spray Dried Skimmed Milk Powder **Sample Received on** : 01 Jul 2023
Reference : Test Request Form Dated 29.06.2023 **Test Started on** : 01 Jul 2023
Sample Identification : Batch No: 090, Mfg Date: Jun-2023 **Test Completed on** : 06 Jul 2023
Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 13334 (Part-1)2014
Biological					
1	<i>Bacillus cereus</i>	IS 5887 (Part 6)	cfu/g	<10	NMT 100
2	<i>Escherichia coli</i>	IS 5887 (Part 1)	Per g	Absent	Absent
3	<i>Listeria monocytogenes</i>	IS 14988 (Part 1)	Per g	Absent	Absent
4	<i>Salmonella spp</i>	IS 5887 (Part 3)	Per 25g	Absent	Absent
5	<i>Staphylococcus aureus</i>	IS 5887 (Part 2)	cfu/g	<10	NMT 10
6	<i>Sulphite Reducing Clostridia</i>	ISO 15213	cfu/g	<10	NMT 10
7	<i>Total Coliforms</i>	IS 5401 (Part 1)	cfu/g	<10	NMT 10
8	<i>Total Plate Count</i>	IS 5402	cfu/g	8000	NMT 40000

Note: <10cfu/g can be taken as absent in 1:10 dilution. cfu-colony forming unit. NMT: Not more than.

Remarks: The sample conforms to the specification as per IS 13334 (Part-1):2014 for the above tested parameters.

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

D. KARTHIK
Microbiologist

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