



A.R. DAIRY FOOD PRIVATE LIMITED			
DATE	21.8.2024	/ 1	
AUDITOR	PROC (MGR.)	SVS HEAD	
AGR/ADMIN	MAIN (MGR.)	REG. (MGR.)	
ADM/ACCT	DM/ACCT	HR	
AGM/PL	STORE	QC	
AGM/PRO	DM/ENVRG	CASH	
AGM/MKT	SALES/ADMIN	WATER PL	

A.R. Dairy Food Private Limited





# SMS LABS SERVICES PRIVATE LIMITED



## TEST REPORT

TC-6118

ULR - TC611824000036758F

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Report No : QFD24071103-01 (Part A)

Report Date: 31 Jul 2024

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 13334 (Part-1):2014
<b>Biological</b>					
15	<i>Bacillus cereus</i>	IS 5887 (Part 6) - 2012 (Reaffirmed 2022)	cfu/g	<10	NMT 100
16	<i>Escherichia coli</i>	IS 5887 (Part 1) - 1976 (Reaffirmed 2022)	Per g	Absent	Absent
17	<i>Listeria monocytogenes</i>	IS 14988 (Part 1) - 2020	Per g	Absent	Absent
18	<i>Salmonella spp</i>	IS 5887 (Part 3) - 1999 (Reaffirmed 2022)	Per 25g	Absent	Absent
19	<i>Staphylococcus aureus</i>	IS 5887 (Part 2) - 1976 (Reaffirmed 2022)	cfu/g	<10	NMT 10
20	<i>Sulphite Reducing Clostridia</i>	ISO 15213 - 2003	cfu/g	<10	NMT 10
21	<i>Total Coliforms</i>	IS 5401 (Part 1) - 2012 (Reaffirmed 2022)	cfu/g	<10	NMT 10
22	<i>Total Plate Count</i>	IS 5402 - 2021	cfu/g	6000	NMT 40000
<b>Chemical</b>					
23	Added Sugar	SMSLA/FD/SOP/019 - 2024	g/100g	Nil	--
24	Added Urea	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products- 2022	--	Absent	--
25	Boric Acid & Borates	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products- 2022	--	Absent	--
26	Carbohydrates	IS 1656 - 2022	g/100g	51.73	--
27	Dietary Fibre	AOAC 22nd Edition 985.29 - 2023	g/100g	Nil	--
28	Energy	SMSLA/FD/SOP/011 - 2024	Kcal/100g	359.61	--
29	Extraneous Matter	IS 13334 (Part 1) - 2014 (Reaffirmed 2019)	--	Absent	Absent
30	Flavour	SMSLA/FD/SOP/033 - 2024	--	Pleasant Flavour	--
31	Hydrogen Peroxide	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products- 2022	--	Absent	--
32	Insolubility Index	IS 12759 - 2019	ml	0.15	NMT 2.0

J. Mohammed Shabir  
Authorized Signatory-Biological

A. Kanagavel  
Authorized Signatory-Chemical

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

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33	Lactose	IS 1479 (Part 2) - 1961 (Reaffirmed 2018)	g/100g	51.73	--
34	Milk Fat	IS 11721 - 2013 (Reaffirmed 2022)	g/100g	1.05	NMT 1.5
35	Milk Protein	AOAC 22nd Edition 2001.11 - 2023	g/100g	35.81	NLT 34.0
36	Moisture	IS 16072 - 2012 (Reaffirmed 2018)	g/100g	3.70	NMT 4.0
37	Scorched Particles	IS 13500 - 1992 (Reaffirmed 2022)	--	Disc A	NMT Disc B
38	Taste	SMSLA/FD/SOP/033 - 2024	--	Pleasant Taste	--
39	Titratable Acidity	IS 11766 - 1986 (Reaffirmed 2022)	ml of 0.1 NaOH/10g SNF	16.5	12 - 18
40	Total ash (on dry basis)	IS 14433 - 2022	g/100g	8.01	NMT 8.2
41	Total Solids	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products- 2022	g/100g	96.30	--
42	Total Sugar	SMSLA/FD/SOP/019 - 2024	g/100g	51.73	--
<b>Fatty Acid Profile</b>					
43	Saturated Fat	SMSLA/GM/SOP/01 - 2019	g/100g	0.708	--
44	Trans Fat	SMSLA/GM/SOP/01 - 2019	g/100g	BLQ(LOQ:0.001)	--
<b>Mycotoxins</b>					
45	Aflatoxin M1	SMSLA/HC/SOP/03 - 2024	µg/kg	BLQ(LOQ:0.25)	NMT 6.0
<b>Others - Cyanamides</b>					
46	Melamine	SMSLA/LS/SOP/11 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 2.5
<b>Pesticides</b>					
47	2,4-D	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
48	Acephate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
49	Acetamiprid	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
50	Azoxystrobin	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
51	Benomyl	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
52	Bifenthrin	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.2

A. Kanagavel  
Authorized Signatory-Chemical

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Report No : QFD24071103-01 (Part A)

Report Date: 31 Jul 2024

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 13334 (Part-1):2014
53	Bitertanol	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
54	Buprofezin	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
55	Carbaryl	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
56	Carbendazim	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
57	Carbofuran	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
58	Chlorantraniliprole	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
59	Chlorothalonil	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.07
60	Chlorpyrifos Ethyl	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
61	Clothianidin	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
62	Cypermethrin-(I,II,III,IV)	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
63	Deltamethrin	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
64	Dichlorvos	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
65	Difenoconazole	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
66	Dimethoate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
67	Dinotefuran	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
68	Edifenphos	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
69	Emamectin benzoate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
70	Ethion	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.5
71	Etofenprox	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
72	Fenpropathrin	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
73	Fenpyroximate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
74	Fipronil	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.0025)	NMT 0.02
75	Flubendiamide	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
76	Flusilazole	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
77	Glufosinate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
78	Imidacloprid	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
79	Indoxacarb	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.1
80	Kresoxim methyl	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
81	Mancozeb as CS2	SMSLA/GM/SOP/05 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
82	Metalachlor	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
83	Methomyl	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02

A. Kanagavel  
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Report No : QFD24071103-01 (Part A)

Report Date: 31 Jul 2024

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 13334 (Part-1):2014
84	Methyl Chlorophenoxy Acetic Acid (MCPA)	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.04
85	Metiram as CS2	SMSLA/GM/SOP/05 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
86	Monocrotophos	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
87	Oxydemeton methyl	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
88	Paraquat	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
89	Penconazole	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
90	Phenthoate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
91	Phorate	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
92	Pirimiphos methyl	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
93	Propiconazole	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
94	Pyraclostrobin	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.03
95	Tebuconazole	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
96	Thiocloprid	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
97	Thiodicarb	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
98	Thiometon	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
99	Triacontanol	SMSLA/GS/SOP/02 - 2019	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
100	Triadimefon	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.01
101	Trichlorfon (Dylox)	SMSLA/LS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.05
<b>Preservatives</b>					
102	Sorbic acid	SMSLA/HC/SOP/18 - 2024	mg/kg	BLQ(LOQ:10.0)	--
<b>Sterols</b>					
103	Cholesterol	SMSLA/GM/SOP/02 - 2019	mg/100g	22.89	--
<b>Trace Metal Elements</b>					
104	Arsenic	SMSLA/IS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 1.1
105	Calcium	SMSLA/IS/SOP/05 - 2024	mg/100g	1350.80	--
106	Lead	SMSLA/IS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.01)	NMT 0.02
107	Methyl Mercury [Calculated as Element]	SMSLA/IS/SOP/02 - 2024	mg/kg	BLQ(LOQ:0.1)	NMT 0.25

A. Kanagavel  
Authorized Signatory-Chemical

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## TEST REPORT



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Report No : QFD24071103-01 (Part A)

Report Date: 31 Jul 2024

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 13334 (Part-1):2014
108	Potassium	SMSLA/IS/SOP/05 - 2024	mg/100g	1861.30	--
109	Sodium	SMSLA/IS/SOP/05 - 2024	mg/100g	423.00	--

Note: BLQ: Below Limit of Quantification; LOQ: Limit of Quantification.

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

Remarks: The sample conforms with the specification as per IS 13334 (Part 1) :2014 (Skimmed Milk Powder – Specification) for the above tested parameters.

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

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# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT

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Report No : QFD24071103-01 (Part B)

Report Date: 31 Jul 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 Spray Dried Skimmed Milk Powder      **Sample Quantity** : 200g x 2No's  
**Sample Description** : Raaj Spray Dried Skimmed Milk Powder      **Sample Received on** : 27 Jul 2024  
**Reference** : Test Request Form Dated 26.07.2024      **Test Started on** : 27 Jul 2024  
**Sample Identification** : Batch No: 208,      **Test Completed on** : 31 Jul 2024  
Month of Manufacturing: July 2024  
**Sample Drawn By** : Customer

### TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results
<b>Chemical</b>				
1	Added Colour & added flavour	IS 13334 (Part 1) - 2014 (Reaffirmed 2019)	--	Absent
2	Formaldehyde	FSSAI Manual of Methods of Analysis- Dairy and Dairy Products- 2022	--	Absent

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

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