



NAWaL Analytical Laboratories



TC-5834

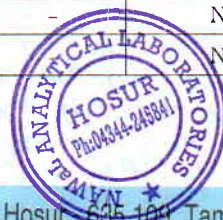
Test Report

ISO / IEC 17025:2005 Accredited by NABL and BIS, FSSAI, APEDA & AGMARK Recognized Lab

REPORT NO. F/F/18/0840	REPORT DATE:03.07.2018
Sample Described by the Customer	: RAAJ FULL COMMERCIAL MILK (STANDARDISED MILK)
Batch Coding & MFD & UBD	: KCA.E1& 27.06.2018 & 30.06.2018
Name of the Customer / Brand Name	: M/s. A.R.DAIRY FOOD PRIVATE LIMITED / RAAJ
Address	: 10/5C, Madurai Road, Begampur (Po), Dindigul, Tamilnadu, India-624 002.
Sample by	: M/s. A.R.DAIRY FOOD PRIVATE LIMITED
Requested By / Designation	: Mr.G.Kannan / Manager QC
Quantity of the Sample Received	: 5 X 1 Ltr
Customer Reference	: By letter Dated: 27.06.2018
Date of Sample Receipt	: 28.06.2018
Date of Performance	: 28.06.2018 to 03.07.2018

S.NO	TEST PARAMETERS	TEST PROTOCOL	UNIT	TEST RESULTS	LIMITS AS PER FSSAI
NUTRITIONAL VALUE					
1	Energy	NAL/CHL/SOP/F017	Kcal/100ml	76.48	-
2	Carbohydrate	NAL/CHL/SOP/F016	g/100ml	4.91	-
3	Protein (N X 6.38)	IS 7219-1973 (RA-2015)	g/100ml	3.41	-
4	Fat	IS 1479 (Part-2):1961 (RA-2018)	%	4.80	Min 4.5
PHYSICAL PARAMETERS					
5	Appearance*	Visual Examination	-	Liquid	-
6	Colour		-	Milky White	-
7	Foreign Matter	IS 1479 (Part-1):2016	-	Absent	-
8	Taste*	Organoleptic Analysis	-	Characteristic	-
9	Odour*		-	Characteristic	-
CHEMICAL PARAMETERS					
10	Solid not fat	IS 1479 (Part-2):1961 (RA-2018)	g/100ml	8.62	Min 8.5
11	Sugar as Sucrose		g/100ml	BDL[DL-0.5]	-
ADULTERANTS					
12	Can sugar	IS 1479 (Part-1):2016	-	Negative	Negative
13	Starch		-	Negative	Negative
14	Cellulose	NAL/CHL/SOP/F012	-	Negative	Negative
15	Added Urea	IS 1479 (Part-1):2016	-	Negative	Negative
16	Sulphates	NAL/CHL/SOP/F012	-	Negative	Negative
17	Added Glucose		-	Negative	Negative
18	Sodium Chloride		-	Negative	Negative
19	Saccharin	NAL/CHL/SOP/F002	-	Negative	Negative

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20	Dulcin*	NAL/CHL/SOP/F002	-	Negative	Negative
21	Nitrates	IS 1479 (Part-1),2016	-	Negative	Negative
22	Neutralizers		-	Negative	Negative
23	Hypochloride*		-	Negative	Negative
24	Chloramines*	FSSAI Lab Manual-1 1.2.12	-	Negative	Negative
25	QAC (Quaternary Ammonium Compounds)*	FSSAI Lab Manual-1 1.2.13	-	Negative	Negative
26	Anionic Compounds*	FSSAI Lab Manual-1 1.2.14	-	Negative	Negative
27	Gelatin*	FSSAI Lab Manual-1 1.2.16	-	Negative	Negative
28	Formalin	IS 1479 (Part-1),2016	-	Negative	Negative
29	Hydrogen Peroxide (Quantitative)		-	Negative	Negative
30	Boric Acid	NAL/CHL/SOP/F012	-	Negative	Negative
31	Borates		-	Negative	Negative
HEAVY METALS					
32	Lead as Pb	AOAC (20 th Edition) 999.11, 2016	mg/l	BDL[DL-0.01]	Max 2.5
33	Copper as Cu	AOAC (20 th Edition) 999.11, 2016	mg/l	BDL[DL-0.25]	Max 30.0
34	Arsenic as As	AOAC (20 th Edition) 963.21, 2016	mg/l	BDL[DL-0.02]	Max 0.1
35	Mercury as Hg	AOAC (20 th Edition) 971.21, 2016	mg/l	BDL[DL-0.02]	Max 1.0
36	Tin as Sn	AOAC (20 th Edition) 980.19, 2016	mg/l	BDL[DL-2.5]	Max 250.0
37	Cadmium as Cd	AOAC (20 th Edition) 2016.19, 2012	mg/l	BDL[DL-0.025]	Max 1.5
38	Methyl Mercury as CH ₃ Hg	AOAC (20 th Edition) 2016, 983.20	mg/l	BDL[DL-0.01]	Max 0.25
OTHER CONTAMINATES					
39	Melamine	IS 16195:2014	mg/l	BDL[DL-0.001]	Max 2.5
TOXIN					
40	Aflatoxin M1	AOAC 20 th Edn 2016, 2000.8 Ch-49	µg /l	BDL[DL-0.2]	Max 0.5
NATURALLY OCCURRING TOXIC SUBSTANCES					
41	Agaric acid	NAL/INS/SOP/LC006	mg/l	BDL[DL-10.0]	Max 100
42	Hypericine	NAL/INS/SOP/LC007	mg/l	BDL[DL-0.25]	Max 1.0
43	Saffrole	NAL/INS/SOP/LC008	mg/l	BDL[DL-1.0]	Max 10.0
44	Hydrocyanic Acid	AOAC 20 th Edn.2016- 915.03	mg/l	BDL[DL-1.0]	Max 5.0

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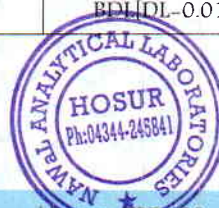
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PESTICIDES					
45	Aldrin	NAL/SOP/INS/003	mg/l	BDL[DL-0.01]	Max 0.15
46	Dieldrin		mg/l	BDL[DL-0.01]	Max 0.15
47	2,4'-DDD		mg/l	BDL[DL-0.01]	Max 1.25
48	2,4'-DDE		mg/l	BDL[DL-0.01]	Max 1.25
49	2,4'-DDT		mg/l	BDL[DL-0.01]	Max 1.25
50	4,4'-DDD		mg/l	BDL[DL-0.01]	Max 1.25
51	4,4'-DDE		mg/l	BDL[DL-0.01]	Max 1.25
52	4,4'-DDT		mg/l	BDL[DL-0.01]	Max 1.25
53	Endosulfan Sulfate		mg/l	BDL[DL-0.01]	-
54	Alpha-Endosulfan		mg/l	BDL[DL-0.01]	-
55	Beta-Endosulfan		mg/l	BDL[DL-0.01]	-
56	Alpha-HCH		mg/l	BDL[DL-0.01]	-
57	Beta-HCH		mg/l	BDL[DL-0.01]	-
58	Delta-HCH		mg/l	BDL[DL-0.01]	-
59	Heptachlor	mg/l	BDL[DL-0.01]	Max 0.15	
60	Heptachlor epoxide isomer	mg/l	BDL[DL-0.01]	-	
61	Lindane	mg/l	BDL[DL-0.01]	-	
62	Hexachlorobenzene	mg/l	BDL[DL-0.01]	-	
PESTICIDES (OP) ORGANOPHOPHORUS					
63	Chlorfenvinphos Mixture of Cis and Trans	NAL/SOP/INS/003	mg/l	BDL[DL-0.01]	Max 0.2
64	Chlorpyrifos		mg/l	BDL[DL-0.01]	Max 0.01
65	Ethion		mg/l	BDL[DL-0.01]	Max 0.5
66	Malaoxon		mg/l	BDL[DL-0.01]	-
67	Malathion		mg/l	BDL[DL-0.01]	-
68	Monocrotophos		mg/l	BDL[DL-0.01]	Max 0.02
69	Parathion		mg/l	BDL[DL-0.01]	-

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70	Parathion Methyl	NAL/SOP/INS/003	mg/l	BDL[DL-0.01]	-
71	Paraoxon Methyl		mg/l	BDL[DL-0.01]	-
72	Phorate		mg/l	BDL[DL-0.01]	Max 0.05
73	Phorate Sulphoxide		mg/l	BDL[DL-0.01]	Max 0.05
74	Phorate Sufone		mg/l	BDL[DL-0.01]	Max 0.05
BIOLOGICAL PARAMETERS					
75	Total Bacterial Count	IS 5402:2012	Cfu/ml	1200	Max 30,000/ml
76	Yeast & Mould Count	IS 5403: 1999	Cfu/ml	<1	-
77	Escherichia Coli	IS 5887(P-01):1976	Present(or)Absent/ml	Absent	Absent/ml
78	Coliform	IS 5401(P-01):2012	Cfu/ml	<1	-
79	Staphylococcus aureus	IS 5887(P-02):1976	Present(or)Absent/25ml	Absent	-
80	Salmonella	IS 5887(P-03):1999	Present(or)Absent/25ml	Absent	Absent/25ml
81	Listeria Monocytogenes	BAM Chapter-10	Present(or)Absent/25ml	Absent	Absent/ml

Note: All the above Tested Parameters are carried out with the sample "as received condition". BDL: Indicates Below Detectable Limits.

The tests marked with an * are not accredited by NABL.

Authorised Signatory

N. Bhavani

Dy. Technical Manager (Biological)



For NAWaL Analytical Laboratories

Authorised Signatory

D. Balakrishnan
(Head Lab)

*** End of the Report ***