



NAWaL Analytical Laboratories



T-1192 T-1615

Test Report

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

REPORT NO: F/B/18/2708

REPORT DATE: 28.02.2018

Sample Described by the Customer: MALABAR SKIMMED MILK CURD
 Batch Coding & UBP: 135 C2 & 25 FEB 18
 Name of the Customer / Brand Name: M/s. A.R.DAIRY FOOD PRIVATE LIMITED / KAA
 Address: 10/5C, Madurai Road, Begampur (Po), Dindigul-624 002, Tamilnadu.
 Sample by: M/s. A.R.DAIRY FOOD PRIVATE LIMITED
 Requested By / Designation: Mr.G.Kannan / Manager QC
 Quantity of the Sample Received: 4 X 500g
 Customer Reference: By letter Dated 20.02.2018
 Date of Sample Receipt: 22.02.2018
 Date of Performance: 22.02.2018 to 27.02.2018

S.NO	TEST PARAMETERS	TEST PROTOCOL	UNIT	TEST RESULTS	LIMITS AS PER FSSAI
CHEMICAL PARAMETERS					
1	Energy	NAL/SOP/FOOD/017	Kcal/100g	39.13	-
2	Milk Fat	AOAC 19 th Edn 2012.989.05	g/100g	0.33	-
3	Milk Protein (N X 6.38)	IS 7219.1973 RA-2015	g/100g	3.43	-
4	Carbohydrate	NAL/SOP/F/016	g/100g	5.61	-
5	Sodium as Na	IS 9497.1980 (RA-2015)	mg/100g	95.05	-
6	Potassium as k		mg/100g	85.00	-
7	Calcium as Ca	5949.1990 RA-2015	mg/100g	124.38	-
8	Milk SNF	AOAC 19 th Edn 2012.990.21	g/100g	9.64	-
ADULTERATION TEST					
9	Water*	NAL/SOP/FOOD/12	-	Present	Present
10	Starch		-	Absent	Absent
11	Urea		-	Absent	Absent
12	Vanaspathi*		-	Absent	Absent
13	Formalin		-	Absent	Absent
14	Detergent*		-	Absent	Absent
15	Sugar	NAL/SOP/FOOD/012	-	Absent	Absent
16	Maltodextrin*		-	Absent	Absent
17	Sodium Chloride		-	Absent	Absent
HEAVY METALS					
18	Lead as Pb	AOAC 19 th Edn-2012.999.11	mg/kg	BDL[DL-0.25]	Max 2.5
19	Copper as Cu	AOAC 19 th Edn-2012.999.11	mg/kg	BDL[DL-0.25]	Max 30.0
20	Arsenic as As	AOAC 19 th Edn-2012.963.21	mg/kg	BDL[DL-0.02]	Max 1.1
21	Tin as Sn	AOAC 19 th Edn-2012.980.19	mg/kg	BDL[DL-2.5]	Max 250.0
22	Mercury as Hg	AOAC 19 th Edn-2012.971.21	mg/kg	BDL[DL-0.02]	Max 1.0
23	Cadmium as Cd	AOAC 19 th Edn-2012.999.11	mg/kg	BDL[DL-0.10]	Max 1.5
24	Chromium as Cr	AOAC 19 th Edn 2012-2011.19	mg/kg	BDL[DL-0.25]	-
25	Nickel as Ni	AOAC 19 th Edn 2012-975.34	mg/kg	BDL[DL-0.25]	-

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FATTY ACID PROFILE					
26	Cholesterol	NAL/SOP/INS/002	mg/100g	2.6	-
OTHER CONTAMINATES					
27	Melamine	IS 16195:2014	mg/kg	BDL[DL-0.001]	Max 2.5
TOXIN					
28	Aflatoxin M1	AOAC 19 th Edn 2012 2000.8 Ch-49	µg/kg	BDL[DL-0.1]	-
NATURALLY OCCURRING TOXIC SUBSTANCES					
29	Agaric acid	NAL/SOP/F/237	mg/kg	BDL[DL-10.0]	-
30	Hypericine	NAL/SOP/F/235	mg/kg	BDL[DL-0.25]	-
31	Safrrole	NAL/SOP/F/236	mg/kg	BDL[DL-1.0]	-
32	Hydrocyanic Acid	AOAC 19 th Edn, 2012 915.03	mg/kg	BDL[DL-1.0]	-
PESTICIDE RESIDUES (ORGANO CHLORINE & ORGANO PHOSPHORUS)					
33	Aldrin	NAL/SOP/INS/003	mg/kg	BDL[DL-0.01]	Max 0.15
34	Dieldrin		mg/kg	BDL[DL-0.01]	Max 0.15
35	Cis Chlordane		mg/kg	BDL[DL-0.01]	Max 0.05
36	Trans Chlordane		mg/kg	BDL[DL-0.01]	Max 0.05
37	o,p'-DDT		mg/kg	BDL[DL-0.01]	Max 1.25
38	p,p'-DDT		mg/kg	BDL[DL-0.01]	Max 1.25
39	o,p'-DDD		mg/kg	BDL[DL-0.01]	Max 1.25
40	p,p'-DDD		mg/kg	BDL[DL-0.01]	Max 1.25
41	o,p'-DDE		mg/kg	BDL[DL-0.01]	Max 1.25
42	p,p'-DDE		mg/kg	BDL[DL-0.01]	Max 1.25
43	Heptachlor Epoxide		mg/kg	BDL[DL-0.01]	Max 0.15
44	Alfa (α) Isomer.HCH		mg/kg	BDL[DL-0.01]	-
45	Beta (β) Isomer.HCH		mg/kg	BDL[DL-0.01]	-
46	Gamma (γ) Isomer.HCH		mg/kg	BDL[DL-0.01]	Max 0.20
47	Delta (δ) Isomer.HCH		mg/kg	BDL[DL-0.01]	-
48	Chlorfenvinphos		mg/kg	BDL[DL-0.01]	Max 0.2
49	Chlorpyrifos		mg/kg	BDL[DL-0.01]	Max 0.01
50	2,4D		mg/kg	BDL[DL-0.01]	Max 0.05
51	Ethion		mg/kg	BDL[DL-0.01]	Max 0.5
52	Monocrotophos		mg/kg	BDL[DL-0.01]	Max 0.02

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53	Carbendazim	NAL/SOP/INS/003	mg/kg	BDL[DL-0.01]	Max 0.10
54	Benomyl		mg/kg	BDL[DL-0.01]	Max 0.10
55	3-Hydroxy Carbofuran		mg/kg	BDL[DL-0.01]	Max 0.05
56	Cypermethrin		mg/kg	BDL[DL-0.01]	Max 0.01
57	Edifenphos		mg/kg	BDL[DL-0.01]	Max 0.01
58	Paraquat-Dichloride		mg/kg	BDL[DL-0.01]	-
59	Trichlorfon		mg/kg	BDL[DL-0.01]	-
60	Fenthion Sulphoxide		mg/kg	BDL[DL-0.01]	Max 0.05
61	Fenthion Sulphone		mg/kg	BDL[DL-0.01]	Max 0.05
62	Fenvalerate		mg/kg	BDL[DL-0.01]	Max 0.01
63	Phenthoate		mg/kg	BDL[DL-0.01]	Max 0.01
64	Phorate Sulphoxide		mg/kg	BDL[DL-0.01]	Max 0.05
65	Phorate Sulphone		mg/kg	BDL[DL-0.01]	Max 0.05
66	Pirimiphos-Methyl		mg/kg	BDL[DL-0.01]	Max 0.05

BIOLOGICAL PARAMETERS

67	Total Bacterial Count	IS 5402:2012	Cfu/g	7400	-
68	Coliform	IS 5401(P-01):2012	Cfu/g	<10	10/g
69	Escherichia coli	IS 5887(P-01):1976	Present(or)Absent/g	Absent	Absent/g
70	Salmonella	IS 5887(P-03):1999	Present(or)Absent/25g	Absent	Absent/25g
71	Shigella	IS 5887(P-07):1999	Present(or)Absent/25g	Absent	-
72	Staphylococcus aureus	IS 5887(P-02):1976	Cfu/g	<10	50/g
73	Total Yeast & mould	IS 5403:1999	Cfu/g	<10	50/g
74	Listeria Monocytogenes	BAM Chapter-10	Present(or)Absent/25g	Absent	Absent/g

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.

For NAWaL Analytical Laboratories

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