



MONARCH BIOTECH PVT. LTD.

UNIT : MONARCH NUCLEAR COUNTING LABORATORY



Certificate No.: TC-6206

Accredited by : AERB & NABL Recognized by : BIS & *fssai*

TEST REPORT

ORIGINAL

Date: 22.08.2018

Report Number: MBT / TR / 2880 / 2018 – 19

PARTICULARS OF SAMPLE SUBMITTED

Sample Described by customer as : MALABAR SKIMMED MILK CURD
Customer Name : M/S. A.R.DAIRY FOOD PRIVATE LIMITED
Customer Address : 10 / 5C, Madurai Road, Begampur Post, Dindigul.
Postal Code : 624 002
State : Tamil Nadu
Country : India
Sample Code No : M1808006
Sample Type : CURD
Sample Received Date : 09.08.2018
Sample Qty. Recd. : 500 gm X 4 No's
Customer Reference : Letter Dated: 06.08.18
Batch No : 272.D2
Mfg Date : 05.08.18
Exp. Date : 15.08.18

Terms and Condition

This report in full or in part shall not be published, advertised, used for any legal action, unless prior permission has been secured. This test report pertains only for the sample tested and such samples are retained for 7 days (in case of perishable) and 15 days for all other samples. If there is any complaint received from the customer within 15 days from the date of report, sample will be kept for 30 days. The samples from regulatory bodies are to be retained as specified. Sample not drawn by laboratory.



For Monarch Biotech Pvt Ltd

M. Saravanan

Authorized Signatory
M.Saravanan
Quality Manager.

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LAB : 37-A, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124, Tamilnadu, INDIA. Phone: 91-44- 26810052

FORM No.: MBT / QF / 059

Issue No.: 01

Issue Date: 06/06/14

Amend No.: NIL

Amend Date: NIL



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TEST REPORT

Sample No : M1808006 Date: 22.08.2018

Job Card No : 2880

Report No : MBT / TR / 2880 / 2018 - 19

Reference to sampling procedure,
Wherever applicable : Not applicable

Deviation from the test methods as prescribed
in relevant ISS/Work Instructions, if any : NIL

Test Commenced On : 09.08.2018

Test Completed On : 14.08.2018

Sl.NO	TEST NAME	METHOD	RESULTS	UNIT	Requirement as per 2.1.4 FSSAI
I. Physical Parameters					
1	Appearance	Physical Examination	Creamy semisolid	-	-
2	Foreign Particles		Free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance	-	-
3	Taste		Agreeable Taste	-	-
4	Odour		Characteristic Odour	-	-
5	Colour		White colour	-	-
II. Preservatives					
6	Sulphur dioxide as SO ₂	AOAC 20 TH EDN.2016, 990.28.	BLQ(LOQ:10.0)	mg/kg	-
7	Benzoic acid and its sodium,calcium and potassium salts as Benzoic acid	MBT/CL/SOP/083	15.16	mg/kg	-
8	Sorbic acid and its sodium,calcium and potassium salts as Sorbic acid	MBT/CL/SOP/083	BLQ(LOQ:2.5)	mg/kg	-



S. Asokan
Authorized Signatory
S.Asokan,

Dy. Instrumentation Head – Chemical

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Sl.NO	TEST NAME	METHOD	RESULTS	UNIT	Requirement as per 2.1.4 FSSAI
9	Antioxidants BHA	Manual of Methods of Analysis of Foods - Food Additives – FSSAI – 2016	BLQ (LOQ:10.0)	mg/kg	-
10	Antioxidants TBHQ		172.07	mg/kg	-
III. Adulterants (Qualitative)					
11	Test for added natural colours	Manual of Methods of Analysis of Foods - Food Additives – FSSAI – 2016	Absent	-	-
12	Test for added synthetic colours		Absent	-	-
13	Animal body fat	FSSAI Manual of Methods of Analysis of Foods –OIL & FATS – 2016	Absent	-	-
14	Vegetable oil fat		Absent	-	-
IV. Heavy Metals					
15	Lead (as Pb)	MBT/CL/SOP/091	BLQ (LOQ : 0.2)	mg/kg	NMT 2.5
16	Copper (as Cu)		BLQ (LOQ : 0.25)	mg/kg	NMT 30
17	Arsenic (as As)		BLQ (LOQ : 0.01)	mg/kg	NMT 1.1
18	Mercury (as Hg)		BLQ (LOQ : 0.01)	mg/kg	NMT 1.0
19	Methyl Mercury calculated as the element		BLQ (LOQ : 0.05)	mg/kg	NMT 0.25
20	Tin (as Sn)		BLQ (LOQ : 0.25)	mg/kg	NMT 250
21	Cadmium (as Cd)		BLQ (LOQ : 0.10)	mg/kg	NMT 1.5
V. Contaminants					
22	Melamine	MBT/CL/SOP/471	BLQ (LOQ:0.0005)	mg/kg	MAX 2.5
VI. Toxins					
23	Aflatoxin M1	MBT/CL/SOP/465	BLQ(LOQ : 0.05)	µg/kg	NMT 0.5
VII. Pesticides (OC & OP)					
Organochlorine					
24	Aldrin	MBT/CL/SOP/072	BLQ (LOQ : 0.01)	mg/kg	NMT 0.15 (on a Fat Basis)
25	Dieldrin		BLQ (LOQ : 0.01)	mg/kg	
26	o, p' – DDT		BLQ(LOQ : 0.01)	mg/kg	NMT 1.25 (on a Fat Basis)
27	p, p' – DDT		BLQ (LOQ : 0.01)	mg/kg	
28	o, p' – DDE		BLQ (LOQ : 0.01)	mg/kg	
29	p, p' – DDE		BLQ (LOQ : 0.01)	mg/kg	



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Sl.NO	TEST NAME	METHOD	RESULTS	UNIT	Requirement as per 2.1.4 FSSAI	
30	o, p'-DDD	MBT/CL/SOP/072	BLQ (LOQ : 0.01)	mg/kg	NMT 1.25 (on a Fat Basis)	
31	p, p'-DDD		BLQ (LOQ : 0.01)	mg/kg		
32	Endosulfan Sulfate		BLQ (LOQ : 0.01)	mg/kg	-	
33	α - Endosulfan		BLQ (LOQ : 0.01)	mg/kg	-	
34	β - Endosulfan		BLQ (LOQ : 0.01)	mg/kg	-	
35	α - HCH		BLQ (LOQ : 0.01)	mg/kg	-	
36	β - HCH		BLQ (LOQ : 0.01)	mg/kg	-	
37	Delta-HCH		BLQ (LOQ : 0.01)	mg/kg	-	
38	Heptachlor		BLQ (LOQ : 0.01)	mg/kg	-	
39	Heptachlor epoxide isomer B		BLQ (LOQ : 0.01)	mg/kg	NMT 0.15 (on a Fat Basis)	
40	Lindane		BLQ (LOQ : 0.01)	mg/kg	NMT 0.2 (on a Fat Basis)	
41	Hexachlorobenzene		BLQ (LOQ : 0.01)	mg/kg	-	
Organophosphorus						
42	Chlorfenvinphos Mixture of Cis and Trans		MBT/CL/SOP/072	BLQ (LOQ : 0.01) each	mg/kg	NMT 0.2 (on a Fat Basis)
43	Chlorpyrifos	BLQ (LOQ : 0.01)		mg/kg	NMT 0.01 (on a Fat Basis)	
44	Ethion	BLQ (LOQ : 0.01)		mg/kg	NMT 0.5 (on a Fat Basis)	
45	Malaoxon	BLQ (LOQ : 0.01)		mg/kg	-	
46	Malathion	BLQ (LOQ : 0.01)		mg/kg	-	
47	Monocrotophos	BLQ (LOQ : 0.01)		mg/kg	NMT 0.02	
48	Parathion	BLQ (LOQ : 0.01)		mg/kg	-	
49	Parathion methyl	BLQ (LOQ : 0.01)		mg/kg	-	
50	Paraaxon methyl	BLQ (LOQ : 0.01)		mg/kg	-	
51	Phorate	BLQ (LOQ : 0.01)		mg/kg	NMT 0.05 (on a Fat Basis)	
52	Phorate sulphoxide	BLQ (LOQ : 0.01)		mg/kg		
53	Phorate sulfone	BLQ (LOQ : 0.01)		mg/kg		



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SL.NO	TEST NAME	METHOD	RESULTS	UNIT	Requirement as per 2.1.4 FSSAI
VIII. Quality Parameters					
54	Milk Fat	FSSAI Manual of Methods of Analysis of Foods –Milk & Milk products – 2016	BLQ (LOQ:0.5)	g/100g	NMT 0.5
55	Milk protein		4.80	g/100g	-
56	Hydrocyanic acid		BLQ (LOQ:1.0)	mg/kg	-
57	Solid not fat		10.74	g/100g	MIN 8.7
IX. Nutritional value					
58	Energy (By Calculation)	FSSAI Manual of Methods of Analysis of Foods –Milk & Milk products – 2016	40.5	Kcal/100g	-
59	Carbohydrate (By Difference)		4.94	g/100g	-
60	Total Fat		BLQ(LOQ:0.5)	g/100g	-
61	Protein(N* 6.38)		4.90	g/100g	-
62	Cholesterol	MBT/CL/SOP/075	BLQ(LOQ:1.0)	mg/100g	-
63	Sodium as Na	FSSAI Manual of Methods of Analysis of Foods –Milk & Milk products – 2016	15.0	mg/100g	-
64	Potassium as K		146.7	mg/100g	-

BLQ : Below Limit of Quantification; LOQ : Limit of Quantification; NMT : Nor More Than



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TEST REPORT

Date: 22.08.2018

Sample No : M1808006

Job Card No : 2880

Report No : MBT / TR / 2879 / 2018 - 19

Reference to sampling procedure,
Wherever applicable : Not applicable

Deviation from the test methods as prescribed
in relevant ISS/Work Instructions, if any : NIL

Test Commenced On : 09.08.2018

Test Completed On : 22.08.2018

Sl.NO	TEST NAME	METHOD	RESULTS	UNIT	Requirement as per 2.1.4 FSSAI
1	Yeast & Mould	IS 5403 : 1999 RA 2009	< 10	Cfu/gm	100/gm
2	Escherichia coli	IS 5887 Part -1 1976 RA 2009	< 10	Cfu/gm	Absent /gm
3	Coliform	IS 5401 Part -1 2012	< 10	Cfu/gm	50/gm
4	Staphylococcus aureus	IS 5887 Part -8 /sec 1 2002 RA 2012	< 10	Cfu/gm	100/gm
5	Salmonella	IS 5887 Part - 3 1999 RA 2005	Absent	/ 25 gm	Absent/25 gm
6	Listeria Monocytogenes	IS 14988 Part -1 2001 RA 2012	Absent	/25 gm	Absent /gm

Note : < 10 can be considered as absent

*****End of Report*****



S. Thamarai selvi
Authorized Signatory
S.Thamarai selvi
Technical Manager – Biological

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