



MONARCH BIOTECH PVT. LTD.

UNIT : MONARCH NUCLEAR COUNTING LABORATORY



Certificate No: T-1697 / 3437 / 3554

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

TEST REPORT

ORIGINAL

Report Number: MBT / CL / 2560 / BL / 1868 / 2017 – 18

Date: 31.10.2017

PARTICULARS OF SAMPLE SUBMITTED

Sample Described by customer as : RAAJ STANDARIZED MILK
Customer Name : M/S. A.R.DAIRY FOOD PRIVATE LIMITED
Customer Address : 10 / 5C, Madurai Road, Begampur Post, Dindigul.
Postal Code : 624 002
State : Tamilnadu
Country : India
Sample Code No : 1710185
Sample Type : Milk
Sample Received Date : 26.10.2017
Sample Qty. Recd. : 500 ml x 4 No's
Customer Reference : Letter Dated: 25.10.2017
Batch No : BOT. C1
Mfg. Date : 25 OCT 2017
Exp. Date : 28 OCT 2017
Brand Name : "RAAJ"

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This report in full or in part shall not be published, advertised, used for any legal action, unless prior permission has been secured.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. In case of Complaint received from customers 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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Regd. Office & Sample Collection Centre : New No. 17/1, Sadullah Street, T. Nagar, Chennai - 600 017, Tamilnadu, INDIA.

Phone: 91-44- 24352756 / 24312656. E mail : monarchbio@gmail.com, info@monarchtestinglab.com Website : www.monarchtestinglab.com

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



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TEST REPORT

Date: 31.10.2017

Sample No : 1710185

Job Card No : 3007

Report No : MBT / CL / 2560 / 2017-18

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 : 26.10.2017

Test Completed On : 30.10.2017

S.No	Test Parameters	Test Method	Result	Unit	Requirement as per FSSAI 2016
I	Physical Parameters				
1	Appearance	Physical Examination	Very Milky	---	---
2	Colour		White Colour	---	---
3	Foreign matter		Absent	---	---
4	Taste		Charaterstic taste	---	---
5	Odour		Unobjectionable Odour	---	---
II	Chemical Parameters				
1	Milk Fat	Manual of Methods of Analysis of Foods – Milk and Milk Products – 2016	4.58	g/100ml	Min. 4.50
2	Solid Not Fat (SNF)		8.52	g/100ml	Min. 8.50
3	Sugar as Suerose		BLQ (LOQ : 1.0)	g/100ml	---




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A. Kanagavel
Technical Manager – Chemical

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S.No	Test Parameters	Test Method	Result	Unit	Requirement as per FSSAI 2016
III	Adulterants				
1	Cane Sugar	Manual of Methods of Analysis of Foods – Milk and Milk Products – 2016	Absent	---	---
2	Starch		Absent	---	---
3	Cellulose		Absent	---	---
4	Added Urea		Absent	---	NMT 700 mg/kg
5	Ammonium Compounds		Absent	---	---
6	Sulphates		Absent	---	---
7	Added Glucose		Absent	---	---
8	Sodium Chloride		Absent	---	---
9	Saccharin		Absent	---	---
10	Dulcin		Absent	---	---
11	Nitrates		Absent	---	---
12	Neutralizers		Absent	---	---
13	Hypochlorites		Absent	---	---
14	Chloramines		Absent	---	---
15	QAC (Quaternary Ammonium Compounds)		Absent	---	---
16	Anionic Detergent		Absent	---	---
17	Gelatin		Absent	---	---
18	Formalin		Absent	---	---
19	Hydrogen Peroxide (Quantitative)			BLQ (LOQ:0.005)	g/100 ml



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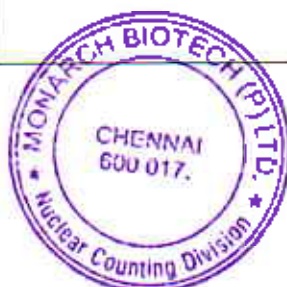
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Date: 31.10.2017

S.No	Test Parameters	Test Method	Result	Unit	Requirement as per FSSAI 2016
20	Boric acid	Manual of Methods of Analysis of Foods – Milk and Milk Products – 2016	Absent	---	---
21	Borates		Absent	---	---
22	Salicylic acid		Absent	---	---
IV	Pesticides (OC) Organochlorine				
1	Aldrin	MBT/CL/SOP/072	BLQ (LOQ : 0.01)	mg/kg	Max. 0.15
2	Deldrin		BLQ (LOQ : 0.01)	mg/kg	Max. 0.15
3	2,4' – DDD		BLQ (LOQ : 0.01)	mg/kg	Max. 1.25
4	2,4' – DDE		BLQ (LOQ : 0.01)	mg/kg	Max. 1.25
5	2,4' – DDT		BLQ (LOQ : 0.01)	mg/kg	Max. 1.25
6	4,4' – DDD		BLQ (LOQ : 0.01)	mg/kg	Max. 1.25
7	4,4' – DDE		BLQ (LOQ : 0.01)	mg/kg	Max. 1.25
8	4,4' – DDT		BLQ (LOQ : 0.01)	mg/kg	Max. 1.25
9	Endosulfan Sulfate		BLQ (LOQ : 0.01)	mg/kg	---
10	alpha – Endosulfan		BLQ (LOQ : 0.01)	mg/kg	---
11	beta – Endosulfan		BLQ (LOQ : 0.01)	mg/kg	---
12	alpha – HCH		BLQ (LOQ : 0.01)	mg/kg	Max. 0.05
13	beta – HCH		BLQ (LOQ : 0.01)	mg/kg	Max. 0.02
14	delta – HCH		BLQ (LOQ : 0.01)	mg/kg	Max. 0.02
15	Heptachlor		BLQ (LOQ : 0.01)	mg/kg	Max. 0.15
16	Heptachlor epoxide isomer B		BLQ (LOQ : 0.01)	mg/kg	



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S.No	Test Parameters	Test Method	Result	Unit	Requirement as per FSSAI 2016
17	Lindane	MBT/CL/SOP/072	BLQ (LOQ : 0.01)	mg/kg	Max. 0.01
18	Hexachlorobenzene		BLQ (LOQ : 0.01)	mg/kg	---
V	Pesticides (OP) Organophosphorus				
19	Chlorfenvinphos Mixture of Cis and Trans	MBT/CL/SOP/072	BLQ (LOQ : 0.01)	mg/kg	Max. 0.20
20	Chlorpyrifos		BLQ (LOQ : 0.01)	mg/kg	Max. 0.01
21	Ethion		BLQ (LOQ : 0.01)	mg/kg	Max. 0.50
22	Malaoxon		BLQ (LOQ : 0.01)	mg/kg	---
23	Malathion		BLQ (LOQ : 0.01)	mg/kg	---
24	Monocrotophos		BLQ (LOQ : 0.01)	mg/kg	Max. 0.02
25	Parathion		BLQ (LOQ : 0.01)	mg/kg	---
26	Parathion methyl		BLQ (LOQ : 0.01)	mg/kg	---
27	Paraoxon methyl		BLQ (LOQ : 0.01)	mg/kg	---
28	Phorate		BLQ (LOQ : 0.01)	mg/kg	Max. 0.05
29	Phorate sulphoxide	BLQ (LOQ : 0.01)	mg/kg		
30	Phorate sulfone	BLQ (LOQ : 0.01)	mg/kg		



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S.No	Test Parameters	Test Method	Result	Unit	Requirement as per FSSAI 2016
VI	HEAVY METALS				
1	Lead (as Pb)	MBT/CL/SOP/091	BLQ (LOQ : 0.02)	mg/kg	Max. 0.02
2	Copper (as Cu)		0.93	mg/kg	Max. 30
3	Arsenic (as As)		BLQ (LOQ : 0.01)	mg/kg	Max. 0.10
4	Mercury (as Hg)		BLQ (LOQ : 0.01)	mg/kg	Max. 1.00
5	Methyl Mercury calculated as the element		BLQ (LOQ : 0.01)	mg/kg	Max. 0.25
6	Tin (as Sn)		BLQ (LOQ : 0.25)	mg/kg	Max. 250
7	Cadmium (as Cd)		BLQ (LOQ : 0.10)	mg/kg	Max. 1.50
VII	Melamine	MBT/CL/SOP/471	BLQ (LOQ : 0.5)	µg/kg	Max. 2.5
VIII	Aflatoxin M1	MBT/CL/SOP/465	BLQ (LOQ : 0.05)	µg/kg	Max. 0.50
IX	Nutritional Value				
1	Energy (by calculation)	Manual of Methods of Analysis of Foods – Milk and Milk Products – 2016	72.86	Kcal/100 ml	---
2	Carbohydrate (by difference)		4.65	g/100ml	---
3	Protein		3.26	g/100ml	---
4	Fat		4.58	g/100ml	---



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Sample No : 1710185
 Job Card No : 3007
 Report No : MBT / BL / 1868 / 2017-18
 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 : 26.10.2017
 Test Completed On : 31.10.2017

S.No	Test Parameters	Test Method	Result	Unit	Requirements for FSSAI
1	Total Bacterial count	IS 5402 : 2012	140	Cfu/ml	Max 50,000 /ml
2	Yeast & Mould count	IS 5403 : 1999 RA 2009	< 1	Cfu/ml	----
3	Escherichia coli	IS 5887 (part 1) 1976 RA 2009	< 1	Cfu /ml	Absent/ml
4	Coliform	IS 5401 (part 1)2012	< 1	Cfu /ml	Less than 10/ml
5	Staphylococcus aureus	IS 5887 (part 8/sec 1) 2002 RA 2012	< 1	Cfu/ml	Less than 10/ml
6	Salmonella	IS 5887 (part 3) 1999 RA 2009	Absent	/25ml	Absent/25ml
7	Listeria monocytogenes	IS 14988 part 1: 2001 RA 2012	Absent	/25ml	Absent/ml

Note: < 1 can be considered as absent

Remarks: The above sample complies with requirements as per FSSAI.

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



Authorized Signatory
S.Thamaraiselvi
Technical Manager – Biological

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