



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Report No : FD/17050048-02

Report Date : 10 May 2017

SAMPLE NOT DRAWN BY LABORATORY

Customer Name : M/S. A.R.DAIRY FOOD PRIVATE LIMITED

Customer Address : No:10/5c, Madurai Road,Begampur (PO),,
Dindugal, 624 002, Tamil Nadu

Sample Name : Raaj Malabar Cow Milk

Reference : Letter Dated 03.05.2017

Sample No : FD/17050048-02

Sample Identification : B.No:NNY.G3.03, UBD:06.05.2017

Sample Received on : 04 May 2017

Sample Condition : Fit for Analysis

Test Started on : 04 May 2017

Sample Quantity : 4 x 500ml

Test Completed on : 10 May 2017

Test Results

Sl.N	Parameter	Test Method	Results	Unit	Requirement as per FSS ACT 2006
Chemical					
1	Energy	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	67.84	Kcal/100g	--
2	Carbohydrate	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	4.39	g/100g	--
3	Fat	DGHS LAB MANUAL1, 2005	3.57	g/100g	NLT 3.50
4	Milk Protein(Nx6.38)	DGHS Lab Manual-1,2005	4.54	g/100g	--
5	Solid Not Fat (SNF)	DGHS Lab Manual-1, 2005	8.65	g/100g	NLT 8.50
6	Sulfites as SO ₂	AOAC 19 th Edition 920.08	BLQ (LOQ:10.0)	mg/kg	--
Microbiological Analysis					
7	Coliforms	IS:5401 (Part-1); 2012	<1	cfu/ml	<10
8	E Coli	IS:5887 (Part 1)-1976; RA 2009	Absent/ml	--	Absent/ml
9	S aureus	IS:5887 (Part 2)-1976; RA 2009	<1	cfu/ml	<10
10	Salmonella Spp	IS:5887 (Part 3)- 1999; RA 2009	Absent/25ml	--	Absent/25ml
11	Shigella Spp	IS:5887 (Part 7)- 1999; RA 2009	Absent/25ml	--	--
12	Total Plate Count	IS:5402-2012	1400	cfu/ml	NMT 30000
13	Yeast And Mould	IS:5403-1999; RA 2009	<1	cfu/ml	--
Heavy Metals					
14	Zinc as Zn	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 50.0
15	Arsenic as As	SMSLA/IN/SOP/87	BDL (DL:0.01)	mg/kg	NMT 0.10
16	Cadmium as Cd	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 0.10
17	Tin as Sn	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 250.0
18	Lead as Pb	SMSLA/IN/SOP/87	BDL (DL:0.01)	mg/kg	NMT 0.02

Authorised Signatory

P. KUMAR

Senior Manager - Food

39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk,
Chennai - 600 124. Phone : 044-26811662 - 664

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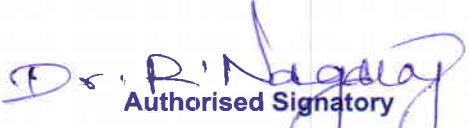
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19	Copper as Cu	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 30
20	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 0.25
Minerals					
21	Calcium as Ca	SMSLA/IN/SOP/87	127.0	mg/100g	--
22	Sodium as Na	SMSLA/IN/SOP/87	46.24	mg/100g	--
23	Potassium as K	SMSLA/IN/SOP/87	96.0	mg/100g	--
24	Phosphorous as P	AOAC 19th Edn 2012-991.25	98.54	mg/100g	--
Pesticides- Poly Halogenated Organic Compounds					
25	Hexachlorocyclo Hexane and its Isomers	SMSLA/IN/SOP/15	BLQ (LOQ:0.01)	mg/kg	NMT 0.02
Pesticides Residues- Benzimidazole					
26	Benomyl	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.10
27	Carbendazim	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.10
Pesticides Residues- Chlorophenoxy acid or ester					
28	2,4- D	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- N-Methyl Carbamate					
29	Carbofuran	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- Organochlorine					
30	DDT	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 1.25
31	Aldrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
32	Chlordane (cis & trans)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
33	Dieldrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
34	Heptachlor	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
Pesticides Residues- Organophosphorous					
35	Chlorpyrifos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
36	Edifenphos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
37	Ethion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.50
38	Fenthion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
39	Monocrotophos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.02

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Authorised Signatory
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40	Phenthoate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
41	Phorate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
42	Pirimiphos methyl	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
43	Chlorfenvinphos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.20
44	Fenitrothion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- Pyrethroids					
45	Cypermethrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
46	Fenvalerate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
Cyanamides					
47	Melamine	SMSLA/IN/SOP/45	BDL (DL:1.0)	mg/kg	NMT 2.50
Antioxidants					
48	tert-Butylhydroquinone	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	mg/kg	--
49	Butylated hydroxyanisole	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	mg/kg	--
50	3,5-Di-tert-4-butylhydroxytoluene	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	mg/kg	--
51	Ethoxyquin	SMSLA/IN/SOP/74	BLQ (LOQ:25.0)	µg/kg	--
Toxins-Aflatoxins					
52	Aflatoxin B1	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
53	Aflatoxin B2	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
54	Aflatoxin G1	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
55	Aflatoxin G2	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
56	Total Afltoxins (B1+B2+G1+G2)	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	NMT 30.0
Toxins-Mycotoxins					
57	Aflatoxin M1	SMSLA/IN/SOP/21	BLQ (LOQ:0.5)	µg/kg	NMT 0.50
Toxins-NOTs					
58	Hypericine	SMSLA/IN/SOP/53	BLQ (LOQ:0.2)	mg/kg	NMT 1.0
59	Agaric Acid	SMSLA/IN/SOP/53	BLQ (LOQ:20.0)	mg/kg	NMT 100.0
60	Safrole	SMSLA/IN/SOP/53	BLQ (LOQ:0.5)	mg/kg	NMT 10.0
61	Hydrocyanic acid	AOAC 19th Edn 2012-915 03	BLQ (LOQ:5.0)	mg/kg	NMT 5.0

Note: BDL: Below Detection Limit DL: Detection Limit *Non NABL

BLQ: Below Quantification Limit, LOQ: Limit of Quantification.

<1 cfu/mL can be taken as absent

Remarks: The above sample complies with the specification as per FSS Act 2006 The above tested Parameter.

End of Report

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