



# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT

Report No : FD/17040121-03

Report Date : 19 Apr 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 (Ideal) Toned Milk  
Reference : Letter Dated 10.04.2017  
Sample No : FD/17040121-03  
Sample Identification : B.No:PYN.A2.10,UBD:13.04.2017      Sample Received on : 11 Apr 2017  
Sample Condition : Fit for Analysis      Test Started on : 12 Apr 2017  
Sample Quantity : 4 x 500ml      Test Completed on : 19 Apr 2017

### Test Results

Sl.N	Parameter	Test Method	Results	Unit	Requirement as per FSS ACT 2006
<b>Chemical</b>					
1	Carbohydrate	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	5.57	g/100g	--
2	Energy	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	64.58	Kcal/100g	--
3	Fat	DGHS LAB MANUAL1, 2005	3.07	g/100g	NLT 3.0
4	Solid Not Fat (SNF)	DGHS Lab Manual-1, 2005	10.01	mg/100g	NLT 8.5
5	Sulfites as SO <sub>2</sub>	DGHS LAB Manual 4, 2005	BLQ (LOQ:10.0)	mg/kg	--
6	Milk Protein(Nx6.38)	DGHS Lab Manual-1,2005	3.67	g/100g	--
<b>Microbiological Analysis</b>					
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	7200	cfu/ml	NMT 30000
13	Yeast And Mould	IS:5403-1999; RA 2009	<1	cfu/ml	--
<b>Heavy Metals</b>					
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
19	Copper as Cu	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 30

  
Authorised Signatory  
**Thulasi Raman. K**  
Sr. Executive Chemist

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20	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 0.25
<b>Minerals</b>					
21	Calcium as Ca	DGHS Lab Manual 1,2005	125.12	mg/100g	--
22	Sodium as Na	SMSLA/IN/SOP/87	47.05	mg/100g	--
23	Potassium as K	SMSLA/IN/SOP/87	92.13	mg/100g	--
24	Phosphorous as P	AOAC 19th Edn 2012-991.25	33.47	mg/kg	--
<b>Pesticides - Poly Halogenated Organic Compounds</b>					
25	Alpha - BHC	SMSLA/IN/SOP/15	BDL (DL: 0.01)	mg/kg	NMT 0.05
26	Beta - BHC	SMSLA/IN/SOP/15	BDL (DL: 0.01)	mg/kg	NMT 0.02
27	Gamma - BHC	SMSLA/IN/SOP/15	BDL (DL: 0.01)	mg/kg	NMT 0.01
28	Delta - BHC	SMSLA/IN/SOP/15	BDL (DL: 0.01)	mg/kg	NMT 0.02
<b>Pesticides Residues- Benzimidazole</b>					
29	Benomyl	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.10(Fat basis)
30	Carbendazim	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.10(Fat basis)
<b>Pesticides Residues- Chlorophenoxy acid or ester</b>					
31	2,4- D	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
<b>Pesticides Residues- N-Methyl Carbamate</b>					
32	Carbofuran	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
<b>Pesticides Residues- Organochlorine</b>					
33	2,4' - DDD	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	--
34	2,4' - DDE	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	--
35	2,4' - DDT	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 1.25
36	4,4' - DDD	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	--
37	4,4' - DDE	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	--
38	4,4' - DDT	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	--
39	Aldrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
40	Chlordane (cis & trans)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
41	Dieldrin	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15
42	Heptachlor	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.15

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Authorized Signatory  
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<b>Pesticides Residues- Organophosphorous</b>					
43	Chlorpyrifos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
44	Edifenphos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
45	Ethion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.50
46	Fenthion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
47	Monocrotophos	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.02
48	Phenthoate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
49	Phorate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
50	Pirimiphos methyl	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
51	Chlorfenvinphos (cis & trans)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.20
52	Fenitrothion	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
<b>Pesticides Residues- Pyrethroids</b>					
53	Cypermethrin (isomers)	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
54	Fenvalerate	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.01
<b>Cyanamides</b>					
55	Melamine	SMSLA/IN/SOP/45	BDL (DL:0.01)	mg/kg	NMT 2.50
<b>Antioxidants</b>					
56	tert-Butylhydroquinone	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	µg/kg	--
57	Butylated hydroxyanisole	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	µg/kg	--
58	3,5-Di-tert-4-butylhydroxytoluene	SMSLA/IN/SOP/74	BLQ (LOQ:10.0)	µg/kg	--
<b>Toxins-Aflatoxins</b>					
59	Aflatoxin B1	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
60	Aflatoxin B2	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
61	Aflatoxin G1	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
62	Aflatoxin G2	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	--
63	Total Afltoxins (B1+B2+G1+G2)	SMSLA/IN/SOP/52	BLQ (LOQ:2.5)	µg/kg	NMT 30.0
<b>Toxins-Mycotoxins</b>					
64	Aflatoxin M1	SMSLA/IN/SOP/21	BLQ (LOQ:0.05)	µg/kg	NMT 0.50
<b>Toxins-NOTs</b>					
65	Hypericine	SMSLA/IN/SOP/53	BLQ (LOQ:0.2)	mg/kg	NMT 1.0
66	Agaric Acid	SMSLA/IN/SOP/53	BLQ (LOQ:20.0)	mg/kg	NMT 100.0
67	Safrole	SMSLA/IN/SOP/53	BLQ (LOQ:0.5)	mg/kg	NMT 10.0
68	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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