



# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT

Report No : FD/17050048-01

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 (Lean) Double Toned Milk

Reference : Letter Dated 03.05.2017

Sample No : FD/17050048-01

Sample Identification : B.No:ZGP.A3.03, 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
<b>Chemical</b>					
1	Energy	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	52.18	Kcal/100g	--
2	Carbohydrate	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	5.55	g/100g	--
3	Fat	DGHS LAB MANUAL1, 2005	1.77	g/100g	NLT 1.50
4	Milk Protein(Nx6.38)	DGHS Lab Manual-1.2005	3.52	g/100g	--
5	Solid Not Fat (SNF)	DGHS Lab Manual-1, 2005	9.80	g/100g	NLT 9.0
6	Sulfites as SO <sub>2</sub>	AOAC 19 <sup>th</sup> Edition 920.08	BLQ (LOQ:10.0)	mg/kg	--
<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	1600	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

Authorised Signatory

P. KUMAR

Senior Manager - Food

39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk,  
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Accredited by NABL : Approved by EIC, BIS : Recognized by APEDA, MoEF, FSSAI, AGMARK; Certified by ISO 9001:2008 and OHSAS 18001:2007

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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
<b>Minerals</b>					
21	Calcium as Ca	SMSLA/IN/SOP/87	126.0	mg/100g	---
22	Sodium as Na	SMSLA/IN/SOP/87	45.63	mg/100g	---
23	Potassium as K	SMSLA/IN/SOP/87	91.10	mg/100g	---
24	Phosphorous as P	AOAC 19th Edn 2012-991.25	87.72	mg/100g	---
<b>Pesticides- Poly Halogenated Organic Compounds</b>					
25	Hexachlorocyclohexane and its isomers	SMSLA/IN/SOP/15	BLQ (LOQ:0.01)	mg/kg	NMT 0.02
<b>Pesticides Residues- Benzimidazole</b>					
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
<b>Pesticides Residues- Chlorophenoxy acid or ester</b>					
28	2,4- D	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
<b>Pesticides Residues- N-Methyl Carbamate</b>					
29	Carbofuran	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
<b>Pesticides Residues- Organochlorine</b>					
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
<b>Pesticides Residues- Organophosphorous</b>					
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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Assistant Manager (Instrumentation)

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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
<b>Pesticides Residues- Pyrethroids</b>					
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
<b>Cyanamides</b>					
47	Melamine	SMSLA/IN/SOP/45	BDL (DL:1.0)	mg/kg	NMT 2.50
<b>Antioxidants</b>					
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	--
<b>Toxins-Aflatoxins</b>					
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
<b>Toxins-Mycotoxins</b>					
57	Aflatoxin M1	SMSLA/IN/SOP/21	BLQ (LOQ:0.5)	µg/kg	NMT 0.50
<b>Toxins-NOTs</b>					
58	Hypericine	SMSLA/IN/SOP/53	BLQ (LOQ:0.2)	mg/kg	NMT 1.0
59	Aganic 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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Authorised Signatory

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