



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Report No : FD/17040121-02

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 (Active) Standardized Milk
Reference : Letter Dated 10.04.2017
Sample No : FD/17040121-02
Sample Identification : B.No:BN LMZ C1.10,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
Chemical					
1	Carbohydrate	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	5.19	g/100g	--
2	Energy	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	76.05	Kcal/100g	--
3	Fat	DGHS LAB MANUAL1, 2005	4.59	g/100g	NLT 4.5
4	Solid Not Fat (SNF)	DGHS Lab Manual-1, 2005	9.81	mg/100g	NLT 8.5
5	Sulfites as SO ₂	DGHS LAB Manual 4, 2005	BLQ (LOQ:10.0)	mg/kg	--
6	Milk Protein(Nx6.38)	DGHS Lab Manual-1,2005	3.49	g/100g	--
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	1800	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
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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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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20	Methyl mercury as Me-Hg	SMSLA/IN/SOP/87	BDL (DL:0.1)	mg/kg	NMT 0.25
Minerals					
21	Calcium as Ca	DGHS Lab Manual 1,2005	128.0	mg/100g	--
22	Sodium as Na	SMSLA/IN/SOP/87	45.05	mg/100g	--
23	Potassium as K	SMSLA/IN/SOP/87	94.10	mg/100g	--
24	Phosphorous as P	AOAC 19th Edn.2012-991.25	67.73	mg/kg	--
Pesticides- Poly Halogenated Organic Compounds					
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
Pesticides Residues- Benzimidazole					
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)
Pesticides Residues- Chlorophenoxy acid or ester					
31	2,4- D	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- N-Methyl Carbamate					
32	Carbofuran	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- Organochlorine					
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

Page 2 of 3


Authorised Signatory
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Pesticides Residues- Organophosphorous					
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
Pesticides Residues- Pyrethroids					
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
Cyanamides					
55	Melamine	SMSLA/IN/SOP/45	BDL (DL:0.01)	mg/kg	NMT 2.50
Antioxidants					
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	--
Toxins-Aflatoxins					
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
Toxins-Mycotoxins					
64	Aflatoxin M1	SMSLA/IN/SOP/21	BLQ (LOQ:0.05)	µg/kg	NMT 0.50
Toxins-NOTs					
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

Page 3 of 3


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