



# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT

Report No : FD/16100098-03

Report Date : 27 Oct 2016

### SAMPLE DRAWN BY CUSTOMER

**Customer Name** : A.R.DAIRY FOOD PRIVATE LIMITED  
**Customer Address** : 10/5C, Madurai Road, Begampur(PO) Dindigul 624 002.

**Sample Description** : Raaj Full cream Milk  
**Reference** : Test Request dated 17 Oct 2016  
**Sample No** : FD/16100098-03  
**Sample Condition** : Fit for Analysis  
**Sample Quantity** : 500ml x 2  
**Sample Identification** : Batch No.PGX.G3  
Mid Dt: 17/10., Exp Dt: 20/10

**Sample Received on** : 18 Oct 2016  
**Test Started on** : 18 Oct 2016  
**Test Completed on** : 27 Oct 2016

### Test Results

Sl.No	Parameter	Test Method	Unit	Results	Requirement as per FSSAI ACT 2006	
1	AflatoxinM1	SMSLAMN/SOP/21	µg/kg	BDL(DL:0.05)	NMT 0.5	
2	Agaric acid	SMSLAMN/SOP/53	mg/kg	BLQ(LOQ:20.0)	NMT 100.0	
3	Hypericine			BLQ(LOQ:0.2)	NMT 1.0	
4	Saffrae			BLQ(LOQ:0.5)	NMT 10.0	
5	Hydrocyanic acid	AOAC 19 <sup>th</sup> Edn.2012-915.03		BDL (DL:1.08)	NMT 5.0	
6	Lead as Pb	SMSLA/INSOP/87	mg/kg	BDL(DL:0.01)	NMT 0.02	
7	Copper as Cu		mg/kg	BDL(DL:0.1)	NMT 30.0	
8	Arsenic as As		mg/kg	BDL(DL:0.1)	NMT 0.1	
9	Zinc as Zn		mg/kg	2.58	NMT 50.0	
10	Tin		mg/kg	BDL(DL:0.025)	NMT 250.0	
11	Cadmium as Cd		mg/kg	BDL(DL:0.04)	NMT 1.50	
12	Methyl Mercury		mg/kg	BDL(DL:0.1)	NMT 0.25	
13	Calcium as Ca		mg/100g	135	Not Specified	
14	Sodium		mg/100g	40.23	Not Specified	
15	Potassium		mg/100g	142.78	Not Specified	
16	Solid Not Fat(SNF)		DGHS Lab Manual-1,2005	g/100g	9.34	Not Specified
17	Protein (N x 6.38)		DGHS Lab Manual-1,2005	g/100g	3.79	Not Specified
18	Fat		DGHS Lab Manual-1,2005	g/100g	6.10	Not Specified
19	Carbohydrate		Pearsons Composition and Analysis of Foods, 6 <sup>th</sup> Edn. 1991	g/100g	4.51	Not Specified
20	Energy		Pearsons Composition and Analysis of Foods, 6 <sup>th</sup> Edn. 1991	Kcal/100g	88.10	Not Specified
21	Phosphorous as P	IS 5960- Part 15,2004	mg/100g	147.30	Not Specified	

Page 1 of 3

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

P. KUMAR

Senior Manager - Food

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<b>Pesticide Residues – Organo chlorine</b>					
22	Alpha - BHC	SMSLA/IN/SOP/15	mg/kg	BDL (DL: 0.01)	NMT 0.05
23	Beta - BHC			BDL (DL: 0.01)	NMT 0.02
24	Gamma - BHC			BDL (DL: 0.01)	NMT 0.01
25	Delta - BHC			BDL (DL: 0.01)	NMT 0.02
26	Chlordane			BDL (DL: 0.01)	NMT 0.05
27	Aldrin			BDL (DL: 0.01)	NMT 0.15
28	Dieldrin			BDL (DL: 0.01)	NMT 0.15
29	o p - DDD			BDL (DL: 0.01)	NMT 1.25
30	p p - DDD			BDL (DL: 0.01)	NMT 1.25
31	o p - DDT			BDL (DL: 0.01)	NMT 1.25
32	p p - DDT			BDL (DL: 0.01)	NMT 1.25
33	o p - DDE			BDL (DL: 0.01)	NMT 1.25
34	p p - DDE			BDL (DL: 0.01)	NMT 1.25
35	Chlorpyrifos			BDL (DL: 0.01)	NMT 1.25
36	Monocrotophos			BDL (DL: 0.01)	NMT 0.01
37	Ethion			BDL (DL: 0.01)	NMT 0.02
38	Phorate			BDL (DL: 0.01)	NMT 0.5
39	Heptachlor			BDL (DL: 0.01)	NMT 0.05
40	Fenitrothion			BDL (DL: 0.01)	NMT 0.15
41	Hexachlorocycle Hexane and its Isomers			BDL (DL: 0.01)	NMT 0.05
42	Chlorfenvinphos			BDL (DL: 0.01)	Not Specified
43	2,4,D			BDL (DL: 0.01)	NMT 0.2
44	Paraquate-Dichloride			BDL (DL: 0.01)	NMT 0.05
45	Trichlorfon			BDL (DL: 0.01)	NMT 0.01
46	Carbendazim			BDL (DL: 0.01)	NMT 0.05
47	Benomyl			BDL (DL: 0.01)	NMT 0.10
48	Carbofuran			BDL (DL: 0.01)	NMT 0.10
49	Cypermethrin			BDL (DL: 0.01)	NMT 0.05
50	Edifenphos			BDL (DL: 0.01)	NMT 0.01
51	Fenthion			BDL (DL: 0.01)	NMT 0.01
52	Fenvalerate & Esfenvalerate (Sum of RR & SS Isomers)			BDL (DL: 0.01)	NMT 0.05
53	Phenthoate			BDL (DL: 0.01)	NMT 0.01
54	Pirimiphos-methyl			BDL (DL: 0.01)	NMT 0.05
<b>Other Contaminants</b>					
55	Melamine	SMSLA/IN/SOP/45	mg/kg	BDL (DL: 0.01)	NMT 2.5

Page 2 of 3

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<b>Aflatoxins</b>				
56 AflatoxinB1	SMSLA/IN/SOP/52	µg/kg	BLQ(LOQ:2.5)	Not Specified
57 AflatoxinB2			BLQ(LOQ:2.5)	
58 AflatoxinG1			BLQ(LOQ:2.5)	
59 AflatoxinG2			BLQ(LOQ:2.5)	
<b>Antioxidants</b>				
60 TBHQ	SMSLA/IN/SOP/74	mg/kg	BLQ(LOQ:10)	Not Specified
61 BHA			BLQ(LOQ:10)	
62 BHT			BLQ(LOQ:10)	
63 Sulfur Di Oxide and Sulfites as SO <sub>2</sub>	DGHS LAB Manual 4, 2005	mg/kg	BDL (DL: 10.0)	Not Specified
<b>Microbiology</b>				
64 Total Plate Count	IS 5402:2012	Cfu/mL	700	30,000/g
65 E.coli	IS 5887 (Part 1) :1976 (Reaff 2009)	--	Absent/mL	Absent/mL
66 Coliforms	IS 5401(Part-1) 2012	Cfu/mL	< 1	< 10/g
66 S.aureus	IS 5887 (Part 2) :1976 (Reaff 2009)	Cfu/mL	< 1	< 10/g
67 Salmonella spp	IS 5887 Part 3:1999(Reaff 2009)	--	Absent/25mL	Absent/25mL
68 Shigella spp	IS 5887:Part 7:1999(Reaff 2009)	--	Absent/25mL	Absent/25mL
69 Yeast & Mould	IS 5403 : 1999	Cfu/mL	< 1	Not Specified

**Remarks:** The sample complies with the specification as per FSSAI Act 2006, for above parameter tested  
**Note** : BDL: Below Detection Limit DL: Detection Limit, BLQ: Below Quantification Limit, LOQ: Limit of Quantification.  
 < 1 cfu/mL can be taken as absent.

.....End of Report.....

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