



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Report No : FD/16110097-02

Report Date : 22 Nov 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 Name : Malabar Cow Milk
 Sample No : FD/16110097-02
 Sample Reference : Test Request dated 11 Nov 2016
 Sample Quantity : 500ml x 2
 Sample Identification : Batch No. NERH1.11,
 Mfd Dt: 11/11//16., UBD Dt: 14/11/16

Sample Received on : 14 Nov 2016
 Test Started on : 14 Nov 2016
 Test Completed on : 22 Nov 2016

Test Results

Sl.No	Parameter	Test Method	Unit	Requirement as per FSSAI ACT 2006	Results	
1	AflatoxinM1	SMSLA/IN/SOP/21	µg/kg	NMT 0.5	BDL(DL:0.05)	
2	Agaric acid	SMSLA/IN/SOP/53	mg/kg	NMT 100.0	BLQ(LOQ:20.0)	
3	Hypericine			NMT 1.0	BLQ(LOQ:0.2)	
4	Saffrole			NMT 10.0	BLQ(LOQ:0.5)	
5	Hydrocyanic acid	AOAC 19 th Edn.2012-915.03		NMT 5.0	BDL (DL:1.08)	
6	Lead as Pb	SMSLA/IN/SOP/87	mg/kg	NMT 0.2	BDL(DL:0.01)	
7	Copper as Cu		mg/kg	NMT 30.0	5.37	
8	Arsenic as As		mg/kg	NMT 0.1	BDL(DL:0.25)	
9	Zinc as Zn		mg/kg	NMT 50.0	2.72	
10	Tin		mg/kg	NMT 250.0	BDL(DL:0.25)	
11	Cadmium as Cd		mg/kg	NMT 1.50	BDL(DL:0.25)	
12	Methyl Mercury		mg/kg	NMT 0.25	BDL(DL:0.25)	
13	Calcium as Ca		mg/kg	Not Specified	828.79	
14	Sodium		mg/100g	Not Specified	50.89	
15	Potassium		mg/100g	Not Specified	97.80	
16	Solid Not Fat(SNF)		DGHS Lab Manual-1,2005	g/100g	NLT 8.5	8.78
17	Protein (N x 6.38)		DGHS Lab Manual-1,2005	g/100g	Not Specified	3.71
18	Fat		DGHS Lab Manual-1,2005	g/100g	NLT 3.0	3.56
19	Carbohydrate		Pearson Composition and Analysis of Foods, 9 th Edn.1991	g/100g	Not Specified	4.45
20	Energy		Pearson Composition and Analysis of Foods, 9 th Edn.1991	Kcal/100g	Not Specified	64.68
21	Phosphorous as P	AOAC 19 th Edn.2012-991.25	mg/100g	Not Specified	87.87	

Page 1 of 3

R. Nagaraj
 Authorised Signatory
R.NAGARAJ
 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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Pesticide Residues					
1	Chlordane	SMSLA/IN/SOP/15	mg/kg	NMT 0.05	BDL (DL: 0.01)
2	Aldrin			NMT 0.15	BDL (DL: 0.01)
3	Dieldrin			NMT 0.15	BDL (DL: 0.01)
4	2,4' - DDD			NMT 1.25	BDL (DL: 0.01)
5	2,4' - DDE			NMT 1.25	BDL (DL: 0.01)
6	2,4' - DDT			NMT 1.25	BDL (DL: 0.01)
7	4,4' - DDT			NMT 1.25	BDL (DL: 0.01)
8	4,4' - DDE			NMT 1.25	BDL (DL: 0.01)
9	4,4' - DDD			NMT 1.25	BDL (DL: 0.01)
10	Chlorpyrifos			NMT 0.01	BDL (DL: 0.01)
11	Monocrotophos			NMT 0.02	BDL (DL: 0.01)
12	Ethion			NMT 0.5	BDL (DL: 0.01)
13	Phorate			NMT 0.05	BDL (DL: 0.01)
14	Heptachlor			NMT 0.15	BDL (DL: 0.01)
15	Fenithrothion			NMT 0.05	BDL (DL: 0.01)
16	Alpha -HCH			NMT 0.05	BDL (DL: 0.01)
17	Beta - HCH			NMT 0.02	BDL (DL: 0.01)
18	Gamma - HCH			NMT 0.01	BDL (DL: 0.01)
19	Delta - HCH			NMT 0.02	BDL (DL: 0.01)
20	Chlorifenvinphos			NMT 0.2	BDL (DL: 0.01)
21	2,4.D			NMT 0.05	BDL (DL: 0.01)
22	Paraquate-Dichloride			NMT 0.01	BDL (DL: 0.01)
23	Trichloroforn			NMT 0.05	BDL (DL: 0.01)
24	Carbendazim			NMT 0.10	BDL (DL: 0.01)
25	Benomyl			NMT 0.10	BDL (DL: 0.01)
26	Carbofuran			NMT 0.05	BDL (DL: 0.01)
27	Cypermethrin			NMT 0.01	BDL (DL: 0.01)
28	Edifenphos			NMT 0.01	BDL (DL: 0.01)
29	Fenthion			NMT 0.05	BDL (DL: 0.01)
30	Fenvalerate & Esfenvalerate (Sum of RR & SS Isomers)			NMT 0.01	BDL (DL: 0.01)
31	Phenthoate			NMT 0.01	BDL (DL: 0.01)
32	Pirimiphos-methyl			NMT 0.05	BDL (DL: 0.01)
Other Contaminants					
33	Melamine	SMSLA/IN/SOP/45	mg/kg	NMT 2.5	BDL (DL: 0.01)

Page 2 of 3


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Aflatoxins					
1	AflatoxinB1	SMSLA/IN/SOP/52	µg/kg	Not Specified	BLQ(LOQ:2.5)
2	AflatoxinB2				BLQ(LOQ:2.5)
3	AflatoxinG1				BLQ(LOQ:2.5)
4	AflatoxinG2				BLQ(LOQ:2.5)
Antioxidants					
1	TBHQ	SMSLA/IN/SOP/74	mg/kg	Not Specified	BLQ(LOQ:10)
2	BHA				BLQ(LOQ:10)
3	BHT				BLQ(LOQ:10)
1	Sulfur Di Oxide and Sulfites as SO ₂	DGHS LAB Manual 4, 2005	mg/kg	Not Specified	BDL (DL: 10.0)
Microbiology					
1	Total Plate Count	IS 5402:2012	Cfu/mL	30,000	3000
2	E.coli	IS 5887 (Part 1) :1976 ,(Reaff 2009)	-	Absent/mL	Absent/mL
3	Coliforms	IS 5401Part-1):2012	Cfu/mL	< 10/g	< 1
4	S.aureus	IS 5887 (Part 2) :1976 ,(Reaff 2009)	Cfu/mL	< 10/g	< 1
5	Salmonella spp	IS 5887:Part 3:1999(Reaff 2009)	-	Absent/25mL	Absent/25mL
6	Shigella spp	IS 5887:Part 7:1999(Reaff 2009)	-	Absent/25mL	Absent/25mL
7	Yeast & Mould	IS 5403 : 1999	Cfu/mL	Not Specified	< 1

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.....

Page 3 of 3

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Micro Biologist

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