



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Report No : FD/17050048-03

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 Pasteurized Butter
Reference : Letter Dated 03.05.2017
Sample No : FD/17050048-03
Sample Identification : B.No:AWE, DOP:30.04.2017
Sample Condition : Fit for Analysis
Sample Quantity : 2 x 500g
Sample Received on : 04 May 2017
Test Started on : 04 May 2017
Test Completed on : 10 May 2017

Test Results

Sl.N	Parameter	Test Method	Results	Unit	Requirement as per FSS ACT 2006
Chemical					
1	Energy	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	752.53	Kcal/100g	--
2	Carbohydrate	Pearsons Composition and Analysis of Foods, 9th Edn. 1991	0	g/100g	--
3	Fat	DGHS LAB MANUAL1, 2005	83.25	g/100g	NLT 80.0
4	Milk Protein(Nx6.38)	DGHS Lab Manual-1,2005	0.81	g/100g	--
5	Solid Not Fat (SNF)	DGHS Lab Manual-1, 2005	0.94	g/100g	NMT 1.50
6	Sulfites as SO ₂	AOAC 19 th Edition 920.08	BLQ (LOQ:10.0)	mg/kg	--
Microbiological Analysis					
7	Coliforms	IS:5401 (Part-1); 2012	<10	cfu/g	<10
8	E.Coli	IS:5887 (Part 1)-1976; RA 2009	Absent/g	--	Abseng/g
9	S.aureus	IS:5887 (Part 2)-1976; RA 2009	<10	cfu/g	<10
10	Salmonella Spp	IS:5887 (Part 3)- 1999; RA 2009	Absent/25g	--	Absent/25g
11	Shigella Spp	IS:5887 (Part 7)- 1999; RA 2009	Absent/25g	--	--
12	Total Plate Count	IS:5402-2012	60	cfu/g	NMT 10000
13	Yeast And Mould	IS:5403-1999; RA 2009	<10	cfu/g	<20
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

Authorised Signatory
A 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
Minerals					
21	Calcium as Ca	SMSLA/IN/SOP/87	36.17	mg/100g	--
22	Sodium as Na	SMSLA/IN/SOP/87	11.61	mg/100g	--
23	Potassium as K	SMSLA/IN/SOP/87	27.80	mg/100g	--
24	Phosphorous as P	AOAC 19th Edn.2012-991.25	49.35	mg/100g	--
Pesticides- Poly Halogenated Organic Compounds					
25	Hexachlorocycle Hexane and its isomers	SMSLA/IN/SOP/15	BLQ (LOQ:0.01)	mg/kg	NMT 0.02
Pesticides Residues- Benzimidazole					
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
Pesticides Residues- Chlorophenoxy acid or ester					
28	2,4- D	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- N-Methyl Carbamate					
29	Carbofuran	SMSLA/IN/SOP/15	BDL (DL:0.01)	mg/kg	NMT 0.05
Pesticides Residues- Organochlorine					
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
Pesticides Residues- Organophosphorous					
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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Dr. R.NAGARAJ Msc, Mphil, PhD
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
Pesticides Residues- Pyrethroids					
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
Cyanamides					
47	Melamine	SMSLA/IN/SOP/45	BDL (DL:1.0)	mg/kg	NMT 2.50
Antioxidants					
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	--
Toxins-Aflatoxins					
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
Toxins-Mycotoxins					
57	Aflatoxin M1	SMSLA/IN/SOP/21	BLQ (LOQ:0.5)	µg/kg	NMT 0.50
Toxins-NOTs					
58	Hypericine	SMSLA/IN/SOP/53	BLQ (LOQ:0.2)	mg/kg	NMT 1:0
59	Agaric 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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