



SMS LABS SERVICES PRIVATE LIMITED



Chemical T-2637
Biocereal T-2639
Mechanical T-2638

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

S/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 MANUAL-1, 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 SO2	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	--	Absent/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 Counl	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

Authorized Signatory

P. KUMAR

Senior Manager - Food

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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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Sl. No.	Parameter	Test Method	Results	Unit	Requirement as per FSS ACT 2006
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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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 Aflatoxins (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	*Hypericin	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 Parameters.

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.

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