



NAWaL Analytical Laboratories



TC-5834

066693

Test Report

Accredited & Recognized by : ISO/IEC 17025:2005, EIC, BIS, FSSAI, APEDA, AGMARK, MoEF & ISO 9001:2015

ULR NO. TC583420000012311P

Date: 24/06/2020

Sample ID No. : NAL/202006000012311
Discipline / Group : Chemical & Biological / Food & Agricultural products
Name of the Customer : A.R. DAIRY FOOD PRIVATE LIMITED
Address : 10/5C, Madurai Road, Begampur Post,
Dindigul - 624 002, Tamilnadu
Sample Described by the Customer : RAAJ TONED MILK
Requested By : Mr. G. Kannan - Manager - QC
Quantity Of The Sample Received : 500 ml x 5
Batch Code Number : WVPE1
Use By Date : 17 JUNE 2020
Information about Sampling : Submitted by Customer
Customer Reference : By letter Dated.15/06/2020
Date of Sample Receipt : 16/06/2020
Date of Commencement of testing : 16/06/2020
Date of Completion of testing : 23/06/2020

S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011.
PHYSICAL PARAMETER					
1	Appearance	Visual Examination	-	White colour lliquid, free from Iorganic and Organic matter	-
2	Colour	Visual Examination	-	White colour	-
3	Taste	Organoleptic analysis	-	Characteristics	-
4	Odour	Organoleptic analysis	-	Characteristics	-
CHEMICAL PRESERVATIVES					
5	Formaline	IS 1479 (P-1),2016	-	Negative	-
6	Hydrogen peroxide as H2O2	IS 1479 (P-1),2016	-	Negative	-
7	Boric acid	NAL/CHL/SOP/F012	-	Negative	-
8	Borate	NAL/CHL/SOP/F012	-	Negative	-
9	Gelatine	FSSAI Manual Milk and Milk Products - 1.2 16	-	Negative	-
10	QAC (Quartenary Ammonium	IS 1479 (p - 1) 2016	-	Negative	-



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Regd. Office & Lab: Plot No.: 100 & 109 New SIDCO Industrial Estate, Sri Nagar, Hosur - 635109, Tamil Nadu. ★
Phone: 04344 - 245841, 9894785841 E-mail: ecogreen.labs@gmail.com, green_balu74@yahoo.com

Marketing Office: No:10, 1st Floor, The commodity Exchange Building, Plot No: 2, 3 & 4, Sector-19A, Vashi, Navi Mumbai - 400 705, Maharashtra



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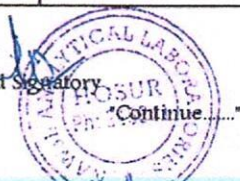
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ULR NO. TC58342000012311P		Date: 24/06/2020			
S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011.
	Compounds)				
11	Hypochlorides and Chloramines	IS 1479 (p - 1) 2016	-	Negative	-
12	Sulphate	NAL/CHL/SOP/F012	-	Negative	-
13	Maltodextrin	NAL/CHL/SOP/F012	-	Negative	-
14	Salicylic Acid	IS 1479 (p - 1) 2016	-	Negative	-
CHEMICAL PARAMETER					
15	Milk Fat	AOAC (20th Edition) 989.05	%	3.08	Min 3.0
16	Milk Solids-not-Fat	AOAC (20th Edition) 990.21	%	8.82	Min 8.5
17	Protein	IS 7219 - 1973	%	3.38	-
18	Carbohydrates	IS 1656 - 2007	%	5.22	-
19	Sodium	IS 9497 - 1980	mg/100g	36.0	-
20	Calcium	IS 5949 - 1990	mg/100g	130.0	-
21	Energy	NAL/CHL/SOP/F024	Kcal/100g	62.12	-
ADULTERANTS					
22	Cane sugar	IS 1479 (P-1).2016	-	Negative	-
23	Adding Glucose	NAL/CHL/SOP/F012	-	Negative	-
24	Starch	IS 1479 (P-1).2016	-	Negative	-
25	Urea	IS 1479 (P-01)2016	-	Negative	-
26	Sodium Chloride	NAL/CHL/SOP/F012	-	Negative	-
HEAVY METALS					
27	Lead as Pb	AOAC (20th Edition) 999.11. 2016	mg/kg	BLQ[LOQ-0.01]	Max 0.02
28	Arsenic as As	AOAC (20th Edition) 963.21. 2016	mg/kg	BLQ[LOQ-0.02]	Max 0.1
29	Copper as Cu	AOAC (20th Edition) 999.11. 2016	mg/kg	BLQ[LOQ-0.25]	Max 30.0
30	Tin as Sn	AOAC (20th Edition)	mg/kg	BLQ[LOQ-2.5]	Max 250.0



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ULR NO. TC583420000012311F Date: 24/06/2020

S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011,
		980.19. 2016			
31	Cadmium as Cd	AOAC (20th Edition) 999.11. 2016	mg/kg	BLQ[LOQ-0.025]	Max 1.5
32	Mercury as Hg	AOAC (20th Edition) 971.21. 2016	mg/kg	BLQ[LOQ-0.02]	Max 1.0
33	Methyl Mercury as CH ₃ Hg*	AOAC (20th Edition) 983.20. 2016	mg/kg	BLQ[LOQ-0.01]	Max 0.25
CROP CONTAMINANTS					
34	Aflatoxin M1	AOAC 20th Edition 2016. 2000.08	µg/kg	BLQ[LOQ-0.2]	Max 0.5
PESTICIDE RESIDUES					
35	2,4-Dichlorophenoxy Acetic Acid	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
36	Acephate (expressed as mixture of Methamidophos and acephate).	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
37	Acetamiprid	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
38	Azoxystrobin	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
39	Carbendazim (Sum of benomyl and carbendazim expressed as carbendazim)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.1
40	Bifenthrin	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.2
41	Bitertanol	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
42	Buprofezin	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
43	Carbaryl	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
44	Carbofuran (sum of carbofuran and 3-hydroxy carbofuran)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
45	Chlorantraniliprole	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
46	Chlorothalonil	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.07
47	Chlorpyrifos	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
48	Clothianidin (Clothianidin and its	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02

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S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011.
	metabolites				
49	Cypermethrin (sum of isomers) (Fat soluble residue)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
50	Deltamethrin (Decamethrin)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
51	Dichlorvos (DDVP) (content of di-chloroacetaldehyde	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
52	Difenoconazole	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
53	Dimethoate	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
54	Dinotefuran	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.1
55	Mancozeb as CS2	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
56	Metiram as CS2	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
57	Edifenphos	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
58	Emanectin Benzoate	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
59	Ethion(Residues to be determined as ethion	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.5
60	Etofenprox (Etofenprox)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
61	Fenpropathrin	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.1
62	Fenvalerate (Fat soluble residue)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
63	Fipronil	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
64	Flubendiamide	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.1
65	Flusilazole	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.05
66	Glufosinate Ammonium	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
67	Imidacloprid	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.1
68	Indoxacarb	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.1
69	Kresoxim Methyl	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01
70	Methomyl	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.02
71	Methyl Chlorophenoxy Acetic Acid (MCPA)	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.04
72	Metolachlor	NAL/INS/SOP/003	mg/kg	BLQ[LOQ-0.01]	Max 0.01



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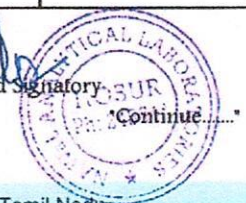
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ULR NO. TC583420000012311P					Date: 24/06/2020
S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011.
73	Monocrotophos	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.02
74	Oxydemeton-Methyl	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
75	Paraquat dichloride (Determined as Paraquatcations)	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
76	Penconazole	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
77	Phenthoate	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
78	Phorate (sum of Phorate, its oxygen analogue and their sulphoxides)	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.05
79	Pirimiphos-methyl	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.05
80	Propiconazole	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
81	Pyraclostrobin	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.03
82	Tebuconazole	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
83	Thiacloprid	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.05
84	Thiamethoxam	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.05
85	Thiophanate-Methyl	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.05
86	Trichlorfon	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.05
87	Triaccontanol	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
88	Triadimefon	NAL/INS/SOP/003	mg/kg	BLQ LOQ-0.01	Max 0.01
ANTIBIOTICS					
89	Ampicillin*	NAL/INS/SOP/LCMS014	mg/kg	BLQ LOQ-0.01	Max 0.01
90	Apramycin*	NAL/INS/SOP/LCMS014	mg/kg	BLQ LOQ-0.01	Max 0.01
91	Albendazole	NAL/INS/SOP/LCMS014	mg/kg	BLQ LOQ-0.025	Max 0.1
92	Tetracycline/Chlorotetracycline/Oxytetracycline	NAL/INS/SOP/LCMS016	mg/kg	BLQ LOQ-0.01	Max 0.1
93	Ceftiofur*	NAL/INS/SOP/LCMS020	mg/L	BLQ LOQ-0.01	Max 0.1
94	Cefpactril*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
95	Doramectin*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.015
96	Diminazene*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.15

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ULR NO. TC583420000012311P					Date. 24/06/2020
S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011.
97	Flunixin*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
98	Febantel/Fenbendazole/Oxyfendazole*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.005	Max 0.1
99	Ivermectin	NAL/INS/SOP/LCMS014	mg/kg	BLQ LOQ-0.005	Max 0.01
100	Lincomycin*	NAL/INS/SOP/LCMS017	mg/kg	BLQ LOQ-0.01	Max 0.15
101	Monensin*	NAL/INS/SOP/LCMS018	mg/kg	BLQ LOQ-0.002	Max 0.002
102	Meloxicam*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
103	Neomycin	NAL/INS/SOP/LCMS017	mg/kg	BLQ LOQ-0.5	Max 1.5
104	Oxyclozanide*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
105	Parbendazole*	NAL/INS/SOP/LCMS014	mg/kg	BLQ LOQ-0.01	Max 0.01
106	Praziquantel*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
107	Spectinomycin*	NAL/INS/SOP/LCMS012	mg/L	BLQ LOQ-0.01	Max 0.2
108	Sulfadiazine	NAL/INS/SOP/LCMS012	mg/kg	BLQ LOQ-0.01	Max 0.01
109	Sulfanilamide	NAL/INS/SOP/LCMS012	mg/kg	BLQ LOQ-0.01	Max 0.01
110	Sulfaquinoxaline*	NAL/INS/SOP/LCMS012	mg/kg	BLQ LOQ-0.01	Max 0.01
111	Sulfadimidine	NAL/INS/SOP/LCMS012	mg/kg	BLQ LOQ-0.01	Max 0.025
112	Sulfa Chloropyrazine*	NAL/INS/SOP/LCMS012	mg/kg	BLQ LOQ-0.01	Max 0.01
113	Thiabendazole*	NAL/INS/SOP/LCMS014	mg/kg	BLQ LOQ-0.01	Max 0.1
114	Trimethoprim*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
115	Tylosin	NAL/INS/SOP/LCMS018	mg/kg	BLQ LOQ-0.01	-
116	Virginiamycin*	NAL/INS/SOP/LCMS020	mg/kg	BLQ LOQ-0.01	Max 0.01
OTHER CONTAMINANTS					
117	Melamine	NAL/INS/SOP/045	mg/kg	BLQ LOQ-0.001	Max 2.5
BIOLOGICAL PARAMETERS					
118	Total Plate Count	IS 5402 : 2012	Cfu/ml	2000	Max 30000
119	Coliform	IS 5401 - 1, 2012	Cfu/ml	<1	Max 10
120	Salmonella	IS 5887 - 3, 1999	P/A/25ml	Absent	Absent
121	Staphylococcus aureus	IS 5887 - 2, 1976	Cfu/ml	<1	NA
122	Yeast & Mould	IS 5402, 1999	Cfu/ml	<1	NA
123	Listeria Monocytogens	IS 14988 - 1, 2001	P/A/ml	Absent	Absent

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S.No.	TEST PARAMETER	TEST PROTOCOL	UNITS	TEST RESULTS	LIMITS AS PER FSSAI 2011,
124	E Coli	IS 5887 - 1 . 1976	P/A/ml	Absent	NA

Disclaimer. This report is valid strictly for the sample submitted for analysis to NAWaL Analytical Laboratories and shall not be under any circumstance extrapolated to any other product(s) made out of this sample .

Note : The sample confirms to the FSSR 2011 for the above tested parameters.

The tests marked with an * are not accredited by NABL

Authorized Signatory

Dr. P.S.Dheenan
(Dy.Technical Manager MicroBiology)

For NAWaL Analytical Laboratories

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D. Balakrishnan
Chief Executive Officer



End of Report

