



SMSLA

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118
(Integrated)

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Report No : QEN/19100171-01

Report Date: 30 Oct 2019

Customer Name : M/s. A.R.Dairy Food Private Limited
 Customer Address : No:10/5C, Madurai Road,Begampur Post, Dindigul-624002.
 Sample Name : Water Sample Quantity : 5 ltr
 Sample Description : RO Water Sampling Date : 19 Oct 2019
 Reference : Test Request Form dated 19/10/2019 Sample Received on : 21 Oct 2019
 Sample Identification : RO 4251 Test Started on : 21 Oct 2019
 Sample Drawn By : Laboratory Test Completed on : 30 Oct 2019
 Sample Location : UGR Near Packing Section
 Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 4251:1967 (Reaff 2015)
Biological					
1	Coliforms	IS 1622	MPN/100mL	<1	<1
2	Lipolytic bacteria count	IS 4251	cfu/ mL	<1	5
3	Proteolytic bacteria count	IS 4251	cfu/ mL	<1	5
4	Standard Plate Count	IS 1622	cfu/ mL	30	50
Chemical					
5	Chloride (as Cl)	IS 3025 (Part-32)	mg/L	4.8	250 Max.
6	Cyanide (as CN)	IS 3025 (Part 27)	mg/L	BDL(DL:0.01)	0.01 Max.
7	Fluoride (as F)	IS 3025 (Part 60)	mg/L	BDL(DL:0.1)	1.5 Max.
8	Hexavalent Chromium (as Cr+6)	APHA 23rd EDI 2017	mg/L	BDL(DL:0.03)	0.05 Max.
9	Iron (as Fe)	IS:3025 (Part-54)	mg/L	BDL(DL:0.05)	0.3 Max.
10	Magnesium (as Mg)	IS 3025 (Part-46)	mg/L	BDL(DL:1.0)	75.0 Max.
11	Nitrate (as NO3)	APHA 23rd Edition:4500 NO3-B	mg/L	1.3	20 Max.
12	Phenolic Substance (as C6H5OH)	IS 3025 (Part-43)	mg/L	BDL(DL:0.001)	0.001 Max.
13	Sulphate (as SO4)	IS 3025 (Part-24)	mg/L	BDL(DL:1.0)	200 Max.
14	Total Hardness (as CaCO3)	IS 3025 (Part-21)	mg/L	5.1	600 Max.
Heavy Metals					
15	Arsenic (as As)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.2 Max.
16	Cadmium (as Cd)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.01 Max.

D. Sundar
D. Sundar
 Authorized Signatory - Chemical

S. Anbarasan
S. Anbarasan
 Authorized Signatory - Biological

Laboratory Address : 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

Laboratory - Accredited By : NABL; Approved By : EIC & BIS; Recognized By : APEDA, MoEF, FSSAI, AGMARK; Certified By : ISO 9001 & OHSAS 18001.

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S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 4251:1967 (Reaff 2015)
17	Copper (as Cu)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	1.0 Max.
18	Lead (as Pb)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.1 Max.
19	Manganese (as Mn)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.2 Max.
20	Mercury (as Hg)	EPA Method 200.8	mg/L	BLQ(LOQ:0.0005)	0.001 Max.
21	Selenium (as Se)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.05 Max.
22	Zinc (as Zn)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	15.0 Max.
Physical					
23	Colour	IS 3025 (Part- 4)	Hazen	Less than 1.0	20Max.
24	Odour	IS 3025 (Part -5)	--	Agreeable	None
25	pH Value	IS 3025 (Part-11)	--	6.67	6.5 -9.2
26	Total Solids	IS:3025 (Part-15)	mg/L	13	1000 Max.
27	Turbidity	IS 3025 (Part-10)	NTU	Less than 0.1	10 Max.

Note : BDL: Below Detection Limit BLQ: Below Quantification Limit, LOQ: Limit of Quantification.
<1 can be taken as absent. CFU: Colony Forming Unit.

Remarks : The above mentioned water sample conforms to the requirements of Limits as per IS 4251:1967 (Reaff 2009) For the above tested parameters.

/***** End of the Report *****/

D. Sundar
D. Sundar
Authorized Signatory - Chemical

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