



# SMS LABS SERVICES PRIVATE LIMITED



Chemical T-2537  
Biological T-2519  
Mechanical T-2638

## TEST REPORT

Report No : EN/17070177-01

Report Date : 08 Aug 2017

### SAMPLE DRAWN BY LABORATORY

Customer Name : M/S. A.R.DAIRY FOOD PRIVATE LIMITED,  
 Customer Address : No. 10/5C, Madurai Road, Begampur (PO), Dindigul - 624 002.

Sample Name : Water  
 Sample Description : RO Water  
 Reference : Test Request Form dated 29 Jul 2017  
 Sample No : EN/17070177-01  
 Sample Condition : Fit for Analysis  
 Quantity : 6 Litres  
 Sample Location : UGR-Near Packing Section  
 Sample Procedure : SMSLA/EN/SOP/001, SMSLAMB/SOP/06

Sampling Date : 29 Jul 2017  
 Sample Received on : 31 Jul 2017  
 Test Started on : 31 Jul 2017  
 Test Completed on : 08 Aug 2017

### Test Results

Sl.No	Parameter	Test Method	Results	Unit	Requirement Limits as per IS 4251:1967(Reaff 2009)
<b>Microbiological Analysis</b>					
1	Coliforms	IS 1622:1981(Reaff.2009)	<1	MPN/100mL	<1
2	Standard Plate Count, per ml, max	IS 1622:1981(Reaff 2009)	3†	cfu/mL	50
3	Proteolytic and Lipolytic organisms, ml, max	IS 4251:1967(Reaff 2009)Appendix A Edition 1 2(2004-08)	<1	cfu/mL	5
<b>Table 1 Organoleptic and Physical Parameters</b>					
4	Colour	IS 3025 Part 4:1983(Reaff 2012)	Less than 1.0	Hazen	20 Max
5	Odour	IS 3025 Part 5:1983(Reaff 2012)	Agreeable	--	None
6	Turbidity	IS 3025 Part 10:1984(Reaff 2012)	Less than 0.1	NTU	10 Max
7	pH @ 25°C	IS 3025 Part 11:1983(Reaff 2012)	7.54	--	6.5-9.2
8	Total Solids	IS 3025 Part 15:1984(Reaff 2009)	66.0	mg/L	1000 Max

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Authorised Signatory  
**E.PRITHVIRAJAN**  
 Asst. Manager, Equipment

39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600 124, Phone : 044-26811662 - 664

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 Limits as per IS 4251:1967(Reaff 2009)
<b>Table 2 General Parameters Concerning Substances Undesirable in Excessive Amounts</b>					
9	Chloride as Cl	IS 3025 Part 32 : 1988 (Reaff 2009)	15.0	mg/L	250 Max
10	Copper as Cu	IS 3025 Part 42 : 1992 (Reaff 2009)	BDL(DL:0.005)	mg/L	1.0 Max
11	Fluoride as F	IS 3025 Part 60 (Reaff 2008)	BDL(DL:0.1)	mg/L	1.5 Max
12	Iron as Fe	IS 3025 Part 53 : 2003 (Reaff 2009)	BDL(DL:0.05)	mg/L	0.3 Max
13	Manganese as Mn	IS 3025 Part 59 : 2006 (Reaff 2012)	BDL(DL:0.01)	mg/L	0.2 Max
14	Nitrate as NO <sub>3</sub>	4500 NO <sub>3</sub> - B APHA 22 <sup>nd</sup> EDI 2012	BDL(DL:1.0)	mg/L	20 Max
15	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	IS 3025 Part 43 : 1992 (Reaff 2009)	BDL(DL:0.001)	mg/L	0.001 Max
16	Magnesium as Mg	IS 3025 Part 46 : 1994 (Reaff 2009)	1.5	mg/L	75.0 Max
17	Selenium as Se	IS 3025 Part 56 : 2003 (Reaff 2009)	BDL(DL:0.005)	mg/L	0.05 Max
18	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 : 1986 (Reaff 2009)	BDL(DL:1.0)	mg/L	200 Max
19	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21 : 1983 (Reaff 2009)	17.0	mg/L	600 Max
20	Zinc as Zn	IS 3025 Part 49 : 1994 (Reaff 2009)	0.002	mg/L	15 Max
<b>Table 3 Parameters Concerning Toxic Substances</b>					
21	Cadmium as Cd	IS 3025 Part 65:2014	BDL(DL:0.001)	mg/L	0.01 Max
22	Cyanide as CN	IS 3025 Part 27: 1986 (Reaff 2009)	BDL(DL:0.01)	mg/L	0.01 Max
23	Lead as Pb	IS 3025 Part 47: 1964 (Reaff 2009)	BDL(DL:0.005)	mg/L	0.1 Max
24	Mercury as Hg	IS 3025 Part 48: 1994 (Reaff 2009)	BDL(DL:0.0005)	mg/L	0.001 Max
25	Total Arsenic as As	IS 3025 Part 37: 1988 (Reaff 2009)	BDL(DL:0.004)	mg/L	0.2 Max
26	Hexavalent Chromium as Cr <sup>6+</sup>	IS 3025 Part:52 : 2003	BDL(DL:0.03)	mg/L	0.05 Max

Note : BDL: Below Detection Limit. <1 cfu/mL can be taken as Absent.

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

.....End of Report.....

Authorised Signatory  
**E.PRITHIVIRAJAN**  
Asst. Manager Environment

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