



# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT



Chemical T-2637  
Biological T-2639  
Mechanical T-2638

Report No: SEN/18100070-02

Report Date: 15 Oct 2018

**Customer Name** : 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 09.10.2018  
**Sample Condition** : Fit for Analysis  
**Sampling Location** : UGR-Near Packing Section  
**Sampling Procedure** : SMSLA/EN/SOP/001,  
SMSLA/MB/SOP/06  
**Sampling Drawn By** : Laboratory  
**Sample Quantity** : 5 Litres  
**Sampling Date** : 09 Oct 2018  
**Sample Received on** : 10 Oct 2018  
**Test Started on** : 10 Oct 2018  
**Test Completed on** : 15 Oct 2018

### Test Results

S.No	Parameter	Test Method	Unit	Results	Requirement Limits as Per IS 4251:1967 (Reaff 2009)
<b>Biological</b>					
1	Coliforms	IS 4251	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 4251	cfu/mL	30	50
<b>Chemical</b>					
5	Chloride (as Cl)	IS 3025 (Part-32)	mg/L	15	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	1.2	75.0 Max.
11	Nitrate (as NO3)	IS 3025 (Part-34)	mg/L	2.2	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	1.1	200 max.
14	Total Hardness (as CaCO3)	IS 3025 (Part-21)	mg/L	15	600 Max.

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Authorised Signatory  
E.PRITHIVIRAJAN  
Manager Environment

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 9001:2015 and OHSAS 18001:2007

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<b>Heavy Metals</b>					
15	Arsenic (as As)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	0.2 max.
16	Cadmium (as Cd)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	0.01 max.
17	Copper (as Cu)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	1.0 max.
18	Lead (as Pb)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	0.1 max.
19	Manganese (as Mn)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	0.2 max.
20	Mercury (as Hg)	EPA Method 200.8	mg/L	BDL(DL:0.0005)	0.001 max.
21	Selenium (as Se)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	0.05 max.
22	Zinc (as Zn)	IS 3025 (Part-65)	mg/L	BDL(DL:0.01)	15.0 Max.
<b>Physical</b>					
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-16)	--	6.63	6.5 -9.2
26	Total Solids	IS:3025 (Part-15)	mg/L	40	1000 Max.
27	Turbidity	IS 3025 (Part-10)	NTU	Less than 0.1	10 Max.

Note : BDL: Below Detection Limit. <1 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 tested parameters.

\*\*\*\*\*End of Report\*\*\*\*\*

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