



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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

Report No : EN/18010150-02

Report Date : 01 Feb 2018

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 22 Jan 2018
 Sample No : EN/18010150-02
 Sample Condition : Fit for Analysis
 Quantity : 5 Litres
 Sample Location : UGR - Near Packing Section
 Sample Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06

Sampling Date : 22 Jan 2018
 Sample Received on : 23 Jan 2018
 Test Started on : 23 Jan 2018
 Test Completed on : 01 Feb 2018

Test Results

Sf.No	Parameter	Test Method	Results	Unit	Requirement Limits as per IS 4251:1967(Reaff 2009)
Microbiological Analysis					
1	Coliforms	IS 1622	<1	MPN/100mL	<1
2	Standard Plate Count	IS 1622	30	cfu/mL	50
3	Proteolytic Bacteria Count	IS 4251 Appendix A EDI-1.2	<1	cfu/mL	5
4	Lipolytic Bacteria Count	IS 4251 Appendix A EDI-1.2	<1	cfu/mL	5
Table 1 Organoleptic and Physical Parameters					
5	Colour	IS 3025 (Part - 4)	Less than 1.0	Hazen	20 Max
6	Odour	IS 3025 (Part - 5)	Agreeable	--	None
7	Turbidity	IS 3025 (Part - 10)	0.1	NTU	10 Max
8	pH @ 25°C	IS 3025 (Part - 11)	6.65	--	6.5-9.2
9	Total Solids	IS 3025 (Part - 15)	42	mg/L	1000 Max

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Authorised Signatory

R. IYAPPAN
Sr. Executive - Chemist

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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SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

Report No: EN/18010150-02

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Chemical T-2837
Biological T-2839
Mechanical T-2639

Sl.No	Parameter	Test Method	Results	Unit	Requirement Limits as per IS 4251:1967(Reaff 2009)
Table 2 General Parameters Concerning Substances Undesirable in Excessive Amounts					
10	Chloride as Cl	IS 3025 (Part - 32)	10	mg/L	250 Max
11	Copper as Cu	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	1.0 Max
12	Fluoride as F	4500 F-D APHA 23 rd EDI	BDL(DL:0.1)	mg/L	1.5 Max
13	Iron as Fe	IS 3025 (Part - 53)	BDL(DL:0.05)	mg/L	0.3 Max
14	Manganese as Mn	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	0.2 Max
15	Nitrate as NO ₃	4500 NO ₃ APHA 23 rd EDI	3.0	mg/L	20 Max
16	Phenolic Compounds as C ₆ H ₅ OH	IS 3025 (Part - 43)	BDL(DL:0.001)	mg/L	0.001 Max
17	Magnesium as Mg	IS 3025 (Part - 46)	BDL(DL:0.5)	mg/L	75.0 Max
18	Selenium as Se	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	0.05 Max
19	Sulphate as SO ₄	IS 3025 (Part - 24)	BDL(DL:1.0)	mg/L	200 Max
20	Total Hardness as CaCO ₃	IS 3025 (Part - 21)	8.3	mg/L	600 Max
21	Zinc as Zn	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	15 Max
Table 3 Parameters Concerning Toxic Substances					
22	Cadmium as Cd	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	0.01 Max
23	Cyanide as CN	IS 3025 (Part - 27)	BDL(DL:0.01)	mg/L	0.01 Max
24	Lead as Pb	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	0.1 Max
25	Mercury as Hg	IS 3025 (Part - 48)	BDL(DL:0.0005)	mg/L	0.001 Max
26	Total Arsenic as As	IS 3025 (Part - 65)	BDL(DL:0.001)	mg/L	0.2 Max
27	Hexavalent Chromium as Cr6+	IS 3025 (Part - 52)	BDL(DL:0.03)	mg/L	0.05 Max

Note : BDL: Below Detection Limit.

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-----

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