



FARELABS

FOOD ANALYSIS & RESEARCH LABORATORY

TESTING, CALIBRATION, PROFICIENCY TESTING & TRAINING SERVICES



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TEST REPORT

Issued to: Gopali Dairy & Farms

Plot #91, Kasna Ecotech 1, Ext 1,
Greater Noida, Gautam Buddh Nagar-201308

J.O. No.: FL/W/SL/23032018-006
Report Date: 28/03/2018
Sample Receipt Date: 23/03/2018
Account Manager: A Salman

Sample Particulars:

Nature of the Sample & No. of Samples	: Ground Water (One Sample)
Brand Name, if any	: None
Sample Quantity & Packaging	: 1LitreX4, Sterilized Bottle
Test started on	: 23/03/2018
Test Completed	: 28/03/2018
Method of Sampling	: FL/SOP/B/D-1
Date of Sampling	: 23/03/2018
Sample Collected by	: Mr. Ramesh Kumar (FARE Labs Representative)

Analysis Report

S. No.	Parameter	Test Result	Specifications as per IS-10500:2012	Protocol
Chemical Analysis:				
1	Colour, Hazen	2	5 Max.	IS:3025 (P-4)
2	Odour	Agreeable	Agreeable	IS:3025 (P-5)
3	Taste	Agreeable	Agreeable	IS:3025 (P-7 & 8)
4	Turbidity, NTU	0.88	1.0 Max.	IS:3025 (P-10)
5	pH Value	6.77	6.5 - 8.5	IS:3025 (P-11)
6	Total Dissolved Solids, mg/L	331	500 Max.	IS:3025 (P-16)
7	Ammonia, mg/L	ND, [LOQ - 0.01]	0.5 Max.	APHA 22 nd Ed.
8	Chloride (as Cl), mg/L	31.49	250 Max.	IS:3025 (P-32)
9	Calcium (as Ca), mg/L	24	75 Max.	IS:3025 (P-40)
10	Cyanide (as CN), mg/L	ND, [LOQ - 0.03]	0.05 Max.	APHA 22 nd Ed.
11	Chloramines (as Cl ₂), mg/L	ND, [LOQ - 0.2]	4 Max.	APHA 22 nd Ed.
12	Fluoride (as F), mg/L	0.12	1.0 Max.	APHA 22 nd Ed.
13	Magnesium (as Mg), mg/L	10.69	30 Max.	APHA 22 nd Ed.
14	Nitrate (as NO ₃), mg/L	3.12	45 Max.	APHA 22 nd Ed.
15	Phenolic substances (as C ₆ H ₅ OH), mg/L	ND, [LOQ - 0.001]	0.001 Max.	APHA 22 nd Ed.
16	Residual free Chlorine, mg/L	ND, [LOQ - 0.1]	0.2 Min.	APHA 22 nd Ed.
17	Sulphate (as SO ₄), mg/L	24.10	200 Max.	APHA 22 nd Ed.
18	Sulphide (as H ₂ S), mg/L	ND, [LOQ - 0.003]	0.05 Max.	APHA 22 nd Ed.
19	Total Alkalinity (as CaCO ₃), mg/L	145	200 Max.	APHA 22 nd Ed.
20	Total Hardness (as CaCO ₃), mg/L	104	200 Max.	IS:3025 (P-21)

Testing Section

Prepared By:
Pushpa Sharma

Checked By:
Satish Kumar Singh

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(AUTHORISED SIGNATORY)
D Mathur, Director

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FL/GEN/FE-05

IAS-ANZ



ISO 9001:2015

ISO 14001:2004

OHSAS 18001:2007

ISO / IEC 27001:2013



Analysis Report

S. No.	Parameter	Test Result	Specifications as per IS-10500:2012	Protocol
Metals Analysis:				
1	Aluminium (as Al), mg/L	ND, [LOQ - 0.01]	0.03 Max.	FL/SOP/ICPMS-38
2	Arsenic (as As), mg/L	ND, [LOQ - 0.002]	0.01 Max.	FL/SOP/ICPMS-38
3	Barium (as Ba), mg/L	ND, [LOQ - 0.01]	0.7 Max.	FL/SOP/ICPMS-38
4	Boron (as B), mg/L	ND, [LOQ - 0.005]	0.5 Max.	FL/SOP/ICPMS-38
5	Cadmium (as Cd), mg/L	ND, [LOQ - 0.002]	0.003 Max.	FL/SOP/ICPMS-38
6	Chromium (as Cr), mg/L	ND, [LOQ - 0.002]	0.05 Max.	FL/SOP/ICPMS-38
7	Copper (as Cu), mg/L	ND, [LOQ - 0.005]	0.05 Max.	FL/SOP/ICPMS-38
8	Iron (as Fe), mg/L	ND, [LOQ - 0.05]	0.3 Max.	FL/SOP/ICPMS-38
9	Lead (as Pb), mg/L	ND, [LOQ-0.002]	0.01 Max.	FL/SOP/ICPMS-38
10	Manganese (as Mn), mg/L	ND, [LOQ - 0.005]	0.1 Max.	FL/SOP/ICPMS-38
11	Molybdenum (as Mo), mg/L	ND, [LOQ - 0.02]	0.07 Max.	FL/SOP/ICPMS-38
12	Mercury (as Hg), mg/L	ND, [LOQ - 0.0005]	0.001 Max.	FL/SOP/ICPMS-38
13	Nickel (as Ni), mg/L	ND, [LOQ - 0.002]	0.02 Max.	FL/SOP/ICPMS-38
14	Selenium (as Se), mg/L	ND, [LOQ - 0.005]	0.01 Max.	FL/SOP/ICPMS-38
15	Silver (as Ag), mg/L	ND, [LOQ - 0.002]	0.1 Max.	FL/SOP/ICPMS-38
16	Zinc (as Zn), mg/L	ND, [LOQ - 0.01]	5.0 Max.	FL/SOP/ICPMS-38

Note: FL/SOP/ICPMS-01, FL/SOP/AAS-01 Based on APHA 22nd Ed. 2012

ND= Not Detected; **LOQ=** Limit of Quantification; * Not Detected

Inference: The tested sample of water **conforms** to the specifications of drinking water (IS-10500:2012), w.r.t. above tests.

Kavish
 Testing Section

Rupam
 Prepared By
 Rupam Chauhan

Rajendra
 Checked By:
 Rajendra Yadav

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D Mathur
 (AUTHORISED SIGNATORY)
 D Mathur, Director

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