



GUJARAT WATER SUPPLY & SEWERAGE BOARD
DISTRICT LABORATORY GANDHINAGAR
 Ground Floor, GJTI, G-Road, Sec-15, Gandhinagar



Test Report

Name & Address of Customer:-

Puna International School
 Shree Swaminarayan Gurukul
 Zundal
 Gandhinagar

Customer Reference No.:-

Sample Submitted by :Sender
 Date of Sample Receipt :23-May-2023
 Analysis Starting Date :23-May-2023
 Analysis Completion Date :23-May-2023
 Dicipline:Chemical Testing,Group:Drinking Water
 ULR - TC100902300000423F

Test Report No.: 423/2023-24

Date of Issue : 24-May-2023

Sample ID : 423

Mode of Sample: Satisfactory

Main Source :Ground Water

Source :Bore Water

Location :Inside Puna International School

Village :Zundal

Habitation :Zundal

Taluka :Gandhinagar

District :Gandhinagar

Latitude :-

Longitude :-

Kindly find herewith the Analytical Results.

Sample Type : Drinking Water

Sr.No.	Parameter	Unit	Reference Method :	Analytical Value
1	Odour	-	IS : 3025 (Part 5) - 2018	Agreeable
2	Turbidity	NTU	APHA (23 rd Ed.2017), Method: 2130 B	0.36
3	pH at 25 ^o C	-	APHA (23 rd Ed.2017) Method: 4500 H ⁺ B	7.62
4	Conductivity at 25 ^o C	µS/cm	APHA (23 rd Ed.2017) Method: 2510 B	1473
5	Total Dissolved Solids	mg/l	APHA (23 rd Ed.2017) Method: 2540 C	936
6	Total Hardness(as CaCO ₃)	mg/l	APHA (23 rd Ed.2017) Method: 2340 C	320
7	Calcium (as Ca ⁺²)	mg/l	APHA (23 rd Ed.2017) Method: 3500 Ca ⁺² B	64
8	Magnessium (as Mg ⁺²)	mg/l	APHA (23 rd Ed.2017) Method: 3500-Mg ⁺² B	39
9	Chloride (as Cl ⁻)	mg/l	APHA (23 rd Ed.2017) Method: 4500-Cl ⁻ B	200
10	Sulphate (as SO ₄ ⁻²)	mg/l	APHA (23 rd Ed.2017) Method: 4500-SO ₄ ⁻² E	76
11	Nitrate (as NO ₃ ⁻)	mg/l	APHA (23 rd Ed.2017) Method: 4500-NO ₃ ⁻ B	22.07
12	Fluoride (as F ⁻)	mg/l	APHA (23 rd Ed.2017) Method: 4500-F ⁻ C	0.52
13	Total Alkalinity(as CaCO ₃)	mg/l	APHA (23 rd Ed.2017) Method: 2320 B	396

This Report is issued under the following terms & Condition :

1. This report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproduce wholly or in part, and can't be used be as evidence in court of law.
4. Please refer back page for IS 10500:2012 (2nd Revision) limits.

Check By:

K.B. Patel
 Krina Patel
 (Dy. QMg)



Issued By:

Khyati
 Khyati Nayak
 (Quality Manager)
 Authorized Signatory

----- End of the Test Report -----

O.W.No. DL/GNR/ 423 of 2023, Dt. 24/5 / 2023.

Ground Floor, GJTI, G-Road, Sec-15, Gandhinagar
 E-mail: districtlabgandhinagar@gmail.com



DISTRICT LABORATORY
GUJARAT JALSEVA TRAINING INSTITUTE
GUJARAT WATER SUPPLY & SEWERAGE BOARD
SECTOR - 15, 'G' Road, GANDHINAGAR - 382016



REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address:-

Puna International School	Sender's Ref.No:	--
Shree Swaminarayan Gurukul,Zundal	Date of Receipt at Lab. / Arrival Date:	23-May-23
Gandhinagar	Sample Collected By:	Sender

Lab Ref. i.e. BW No.	419
Date of Collection	23-May-23
Date of Commencing Examination:	23-May-23
Source of Water Sample	Bore Water
	Inside Puna International School
Village	Zundal
Habitation	Zundal
Taluka	Gandhinagar
District	Gandhinagar
Membrane Filtration Method, IS-15185:2016, ISO 9308-1:2014 for Total Coliform	< 1
Membrane Filtration Method, IS-15185:2016, ISO 9308-1:2014 for Therotolerant Fecal Coliform (<i>E.coli</i>)	< 1
Opinion For Potability As Per The BIS:10500:2012	Safe

Important Note:-

- *Sample should be collected in sterile BOD bottle.
- *"Unsafe" :- Proper Disinfection may render it safe.
- *Presence of Coliform in water sample indicates the need of proper Disinfection.

NOTE :

- Table - 6 Bacteriological Quality of Drinking Water (BIS:10500:2012) : Second Revision.
- *All Water Intended for Drinking -
 - (a) *E.coli* or Thermotolerant coliform bacteria shall not be detectable in any 100ml sample
 - *Treated Water Entering the Distribution system & Treated Water in the Distribution system -
 - (a) *E.coli* or Thermotolerant coliform bacteria shall not be detectable in any 100ml sample.
 - (b) Total coliform bacteria shall not be detectable in any 100ml sample.

- 1) Test Report is issued for assessing Bacteriological Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.
- 2) This Report should not be taken as a basis to getting license from any Government authority.

Analysed By : *R.Vaidya*
Microbiologist

Minad
Scientific Officer

Outward No.: GJTI/Dist.Lab/BWT 133 / of 2023. Date: 26 / 05 / 2023