



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



**Test Report**

Name & Address of Customer:-

Hillwoods school

Customer Reference No.:HW/Gen/12328

Sector-25

Sample Submitted by :Sender

GIDC

Date of Sample Receipt :16-Mar-2023

Gandhinagar

Analysis Starting Date :17-Mar-2023

Analysis Completion Date :17-Mar-2023

Dicipline:Chemical Testing,Group:Drinking Water

ULR - TC100902200004050F

Test Report No.: 2188/2022-23

Date of Issue : 18-Mar-2023

Sample ID : 2188

Mode of Sample: Satisfactory

Main Source :Ground Water

Source :R.O. Water

Location :Hillwoods School

Village :Gandhinagar

Habitation :Gandhinagar

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	Colour	Hazen	APHA (23 <sup>rd</sup> Ed.2017), Method: 2120 C	< 2
2	Odour	-	IS : 3025 (Part 5) - 2018	Agreeable
3	Turbidity	NTU	APHA (23 <sup>rd</sup> Ed.2017), Method: 2130 B	0.84
4	pH at 25°C	-	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500 H <sup>+</sup> B	8.13
5	Conductivity at 25°C	μS/cm	APHA (23 <sup>rd</sup> Ed.2017) Method: 2510 B	312
6	Total Dissolved Solids	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 2540 C	198
7	Total Hardness(as CaCO <sub>3</sub> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 2340 C	96
8	Calcium (as Ca <sup>+2</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 3500 Ca <sup>+2</sup> B	16
9	Magnesium (as Mg <sup>+2</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 3500-Mg <sup>+2</sup> B	14
10	Chloride (as Cl <sup>-</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-Cl <sup>-</sup> B	64
11	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-SO <sub>4</sub> <sup>-2</sup> E	14
12	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-NO <sub>3</sub> <sup>-</sup> B	15.40
13	Fluoride (as F <sup>-</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-F <sup>-</sup> C	0.31
14	Total Alkalinity(as CaCO <sub>3</sub> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 2320 B	84

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 (2<sup>nd</sup> Revision) limits.

Check By:

r. Vaidya  
Riddhi Vaidya  
(Dy. TMg)



Issued By:

*Khyati*  
Khyati Nayak  
(Quality Manager)  
Authorized Signatory

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

O.W.No. DL/GNR/2188 of 2022, Dt. 18/3/2023.

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

## IS-10500:2012 (2<sup>nd</sup> Revision)

Sr. No.	Parameter	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1	Colour, Hazen units, Max	5	15
2	Turbidity, NTU, Max	1	5
3	pH value	6.5 to 8.5	No relaxation
4	Conductivity at 25°C	-	-
5	Total Dissolved Solids, mg/l, Max	500	2000
6	Total Hardness (as CaCO <sub>3</sub> ), mg/l, Max	200	600
7	Calcium (as Ca), mg/l, Max	75	200
8	Magnesium (as Mg), mg/l, Max	30	100
9	Chloride (as Cl), mg/l, Max	250	1000
10	Sulphate (as SO <sub>4</sub> ), mg/l, Max	200	400
11	Nitrate (as NO <sub>3</sub> ), mg/l, Max	45	No relaxation
12	Fluoride (as F), mg/l, Max	1	1.5
13	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	200	600







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:-**

Hillwood School 101, K Road, GIDC Electronic Estate, Sector 25. Gandhinagar	Sender's Ref.No:	--
	Date of Receipt at Lab. / Arrival Date:	16-Mar-23
	Sample Collected By:	Sender

Lab Ref. i.e. BW No.	2326
Date of Collection	16-Mar-23
Date of Commencing Examination:	16-Mar-23
Source of Water Sample	R.O. Water
	Hillwood School
Village	Gandhinagar
Habitation	Gandhinagar
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.
- 3) After Collection of Bacteriological sample, it must be preserved at (5±3)°C and submitted to laboratory within 24hrs.

Analysed By :  
Microbiologist

S.B.Hadiya

Chief Scientific Officer

Outward No.: GJI/Dist.Lab/BWT 70 / of 2023, Date: 29/03 / 2023