



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



**Test Report**

Name & Address of Customer:-

Tapovan Vatsalyadham  
 ( English Medium)  
 At- Amiyapura, PO-Sughad  
 Gandhinagar

Customer Reference No.:-

Sample Submitted by :Sender  
 Date of Sample Receipt :05-Apr-2024  
 Analysis Starting Date :06-Apr-2024  
 Analysis Completion Date :06-Apr-2024  
 Dicipline:Chemical Testing,Group:Drinking Water  
 ULR - TC1292424000000032F

Test Report No.: 32/2024-25

Date of Issue : 07-Apr-2024

Sample ID : 32

Mode of Sample: Satisfactory

Main Source :Ground Water

Source :Bore Water

Location :Tapovan Vatsalyadham ( English Medium)

Village :Amiyapur

Habitation :Amiyapura

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 (24 th Ed.2023), Method: 2130 B	0.98
3	pH at 25 <sup>o</sup> C	-	APHA (24 th Ed.2023) Method: 4500 H <sup>+</sup> B	8.13
4	Conductivity at 25 <sup>o</sup> C	μS/cm	APHA (24 th Ed.2023) Method: 2510 B	285
5	Total Dissolved Solids	mg/l	APHA (24 th Ed.2023) Method: 2540 C	82
6	Total Hardness(as CaCO <sub>3</sub> )	mg/l	APHA (24 th Ed.2023) Method: 2340 C	124
7	Calcium (as Ca <sup>+2</sup> )	mg/l	APHA (24 th Ed.2023) Method: 3500 Ca+2 B	26
8	Magnessium (as Mg <sup>+2</sup> )	mg/l	APHA (24 th Ed.2023) Method: 3500-Mg+2 B	15
9	Chloride (as Cl <sup>-</sup> )	mg/l	APHA (24 th Ed.2023) Method: 4500-Cl - B	16
10	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/l	APHA (24 th Ed.2023) Method: 4500-SO4-2 E	11
11	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg/l	APHA (24 th Ed.2023) Method: 4500-NO3- B	3.61
12	Fluoride (as F <sup>-</sup> )	mg/l	APHA (24 th Ed.2023) Method: 4500-F - C	0.19
13	Total Alkalinity(as CaCO <sub>3</sub> )	mg/l	APHA (24 th Ed.2023) Method: 2320 B	76

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.



Issued By:

*Khyati Nayak*

**Khyati Nayak**  
 (Quality Manager)  
 Authorized Signatory

End of the Test Report



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

Sr. No.	Parameter	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
		Agreeable	Agreeable
1	Odour	1	5
2	Turbidity, NTU, Max	6.5 to 8.5	No relaxation
3	pH value	-	-
4	Conductivity at 25 <sup>0</sup> C	500	2000
5	Total Dissolved Solids, mg/l, Max	200	600
6	Total Hardness (as CaCO <sub>3</sub> ), mg/l, Max	75	200
7	Calcium (as Ca), mg/l, Max	30	100
8	Magnesium (as Mg), mg/l, Max	250	1000
9	Chloride (as Cl), mg/l, Max	200	400
10	Sulphate (as SO <sub>4</sub> ), mg/l, Max	45	No relaxation
11	Nitrate (as NO <sub>3</sub> ), mg/l, Max	1	1.5
12	Fluoride (as F), mg/l, Max	200	600
13	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max		





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



**REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER**

<b>Name &amp; Address:-</b>		Sender's Ref.No:	-
Tapovan Vatsalyadham ( English Medium) At-Amiyapur, Po-Sughad Gandhinagar		Date of Receipt at Lab. / Arrival Date:	5-Apr-24
		Sample Collected By:	-
	Lab Ref. i.e. BW No.		39
	Date of Collection		5-Apr-24
	Date of Commencing Examination:		5-Apr-24
Source of Water Sample			R.O. Water
			Tapovan Vatsalyadham ( English Medium)
Village			Amiyapur
Habitation			Amiyapur
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 : *VNB*  
Microbiologist

*for K... 10*  
Lab Incharge

Outward No.: GJTI/Dist.Lab/BWT 40 / of 2024, Date: 12 / 4 / 2024