

## તાલુકા પ્રયોગશાળા

નાયળ કાર્યપાલક ઇજનેરશ્રી ની કરોરો O/o The Dy Ex. Engineer, લક્ષ્મીપુરા ઢેડવર્કસ સાઇટ, કડી-આદુંદરા રીડ, કડી-૩૮૨૭૧૫

### Taluka Laboratory

જાહેર આરોગ્ય સુખાકારી પેટા વિભાગ Public Health Sanitary Sub Division, Laxmipura Headworks Site, Kadi-Adundara Road, KADI-382715



E-mail: tlab.kadi@gmail.com

## LABORATORIES

### REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

The Principal, Bhavkunj School S.V.Campus, Behind Railway Station, Kadi

Kadi

Sender's Ref. No.: .....

Ref. Date: 12-Sep-24

Date & Time of Commencing Examination:

12-Sep-24

Sample collected by : Sender

BW No.	299		
Date of Collection	12-Sep-24		
Date of Arrival at Lab.	12-Sep-24		
Source of Water Sample	R.O Plant, Bhavkunj School, 10"Ø x 750 Ft.		
Village	Kadi		
Habitation	Kadi		
Taluka	Kadi		
District	Mehsana		
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	Absent		
APHA, AWWA, 9221-F Presence - Absence E.Coli Test, @ 37° C	🔻		
MPN of coliform per 100 ml of sample at 37° C			
MPN of Faecal coliform per 100 ml of sample at 44° C			
Free Chlorine ( PPM )	2.00		
OPINION FOR POTABILITY :	Potable		

Important Note:-

1) '>=' Indicates greater than or equal to, 2) '<' Indicates less than

NOTE: Table - 6 Bacteriological Quality of Drinking Water (BIS:10500:2012): Second Rivision.

@ All Water Intended for Drinking -

- (a) E.coli or Thermotolerant coliform bacteria shall not be detactable 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 detactable in any 100ml sample.
  - (b) Total coliform bacteria shall not be detactable in any 100ml sample.
- @ 0.2ppm Free Residual Chlorine at consumer end is recommanded.
- 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 Bact. Sample, it must be preserved at 4°C and submitted to laboratory within 24hrs.

Outward No.:- BAR / 219/02 / of 2024, Date:- 13 / 09 / 2024



## તાલકા પ્રયોગશાળા

નાયળ કાર્યપાલક ઇજનેરશ્રી ની કચેરા જાહેર આરોગ્ય સખાકારી પેટા વિભાગ લક્ષ્મીપુરા ઢડવર્કસ સાઇટ. કડી-આદુંદરા રોડ, કડી-૩૮૨૭૧૫

#### Taluka Laboratory

O/o The Dy. Ex. Engineer, Public Health Sanitary Sub Division, Laxmipura Headworks Site. Kadi-Adundara Road, KADI-382715



GWSSB LABORATORIES

E-mail: tlab.kadi@gmail.com

## Test Report

Name & Address of Customer:-The Principal, Bhavkunj School

S.V.Campus, Behind Railway Station, Kadi

Pvt. Kadi Customer Reference No.: ...., 12/Sep/2024

Sample Submitted by : Sender

Date of Sample Receipt: 12-Sep-2024 Analysis Starting Date: 13-Sep-2024 Analysis Completion Date: 13-Sep-2024

					Dicipline : Chemical	Testing, Group: Water		
Test Re	port No. :	283 / 2024-2025.			Date of Issue		13-Sep-2024	
Sample ID :		TCW-283 / 09-2024		Mode of Sample :		Satisfactory		
Main Source :		Ground Water		Source :	: Tube Well			
Location :		R.O Plant, Bhavkunj School, 10"Ø x 750 Ft.						
Village :		Kadi		Habitation :	Kadi			
Taluka :		Kadi			District :	Mehsana		
Latitude :		23.289244			Longitude :	72.326542		
	Kindly find herewit	h the Anal	and district the control of the		Sample Type :	Drinking Water		
Sr. No.	Parameter	Unit	Requirement (Acceptable Limit) Max.	2 (2nd Revision)  Permissible Limit in the Absence of Alternate Source Max.	Reterence Method		Analytical Value	
1	Colour	Hazen	5	15	APHA (23rd Ed.2017), Method: 2120 B		1.00	
2	Odour		Agreeable .	Agreeable	IS 3025 (Part 5) - 2018 (Second Revision) Agree		Agreeable	
3	Taste		Agreeable	Agreeable	IS 3025 (Part 8) -1984 (Reaffined 2017) Agree		Agreeable	
4	Turbidity	NTU	1	5	APHA (23rd Ed.2017), Method: 2130 B 0.5		0.51	
5	pH at 25°C	- 1	6.5 to 8.5	No relaxation	APHA (23rd Ed.2017) Method: 4500 H+ B 8.06		8.06	
6	Total Dissolved Solids	mg/L	500	2000	APHA (23rd Ed.2017) Method: 2540 C		46	
7	Total Hardness (as CaCO3)	mg/L	200	600	APHA (23rd Ed.2017) Method: 2340 C 12		12	
8	Calcium (as Ca+2)	mg/L	75	200	APHA (23rd Ed.2017) Method: 3500 Ca+2 B < 5		< 5	
9	Magnessium (as Mg+2)	mg/L	30	100	APHA (23rd Ed.2017) Method: 3500-Mg+2 B < 5		< 5	
10	Chloride (as Cl- )	nig/L	250	1000	APHA (23rd Ed.2017) Method: 4500-Cl – B 16		16	
11	Sulphate (as SO4-2)	mg/L	200	400 .	APHA (23rd-Ed.2017) Method: 4500-SO4-2 E < 2		< 2	
12	Nitrate (as NO3- )	mg/L	45	No relaxation	APHA (23rd Ed,2017) Method: 4500-NO3- B < 1		< 1	
13	Fluoride (as F- )	mg/L	7	1.5	APHA (23rd Ed.2017) Method: 4500-F - C < 0.1		< 0.1	
14	Total Alkalinity (as CaCO3)	nig/L	200	600	APHA (23rd Ed.2017) Method: 2320 B 12			

#### 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.

Chintan D. Patel

Analyst

Checked By:

Chintan D. Patel Authorized Signatory Analyst

Issued By:

O.W.No .: - TLKADI / 219/01 /of 2024, Date .: - 13 / 09 / 2024

Laxmipura Headworks Site, Kadi-Adundara Road, Kadi-382715

<sup>\*</sup> Note:- NABL Recognized laboratory certificate No:- NABL-DWT-00178 , Valid Up To 24-02-2025

# IS-10500:2012 (2nd Revision)

Sr. No.	Parameter	Unit	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source Max.	
			Max.		
1	Colour	Hazen	5	15	
2	Odour	197	(3)	= 5	
3	Taste	1-	¥:	-	
4	Turbidity	NTU	1	5	
5	pH at 250C	-	6.5 to 8.5	No Relaxation	
6	Total Dissolved Solids	mg/L	* 500	2000	
7	Total Hardness (as CaCO3)	mg/L	200	600	
8	Calcium (as Ca)	mg/L	75	200	
9	Magnessium (as Mg)	mg/L	30	100	
10	Chloride (as Cl)	mg/L	250	1000	
11	Sulphate (as SO4)	mg/L	200	400	
12	Nitrate (as NO3)	mg/L	45	No relaxation	
13	Fluoride (as F)	mg/L	1.00	1.50	
14	Total Alkalinity (as CaCO3)	mg/L	200	600	