



માદેશીક જાહેર આરોગ્ય
ઇજનેરી પ્રયોગશાળા,
ગુજરાત પાણી પુરવઠા
અને ગટર વ્યવસ્થા બોર્ડ,
પાલનપુર - ૩૮૫૦૦૧

Regional Public Health
Engineering Laboratory,
Gujarat Water Supply
& Sewerage Board
Palanpur - 385001



Test Report

Name & Address of Customer:-
The Public Relations Officer,
Banas Sainik School,
Moriya
Pvt.

Customer Reference No & Date: -, 16/Apr/2026
Sample Submitted by : Customer
Date of Sample Receipt : 15-Apr-2026
Analysis Starting Date : 17-Apr-2026
Analysis Completion Date : 17-Apr-2026
Discipline : Chemical Testing, Group : Water

Test Report No.: 224 / 2026-2027,			Date of Issue : 18-Apr-2026	
Sample ID : PCW :- 224 / 04-2026			Mode of Sample: Satisfactory	
Main Source : Ground water			Source : R.O. Water	
Location : R.O. Water, Banas Sainik School				
Village : Moriya			Habitation : Moriya	
Taluka : Palanpur			District : Banaskantha	
Latitude: -			Longitude : -	
Kindly find herewith the Analytical Results.			Sample Type: Drinking Water	
Sr.No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	Hazen	APHA (24rd Ed 2023), Method 2120 B	2.00
2	Odour	-	IS 3025 (Part 5) - 2018	Agreeable
3	Turbidity	NTU	APHA (24rd Ed 2023), Method 2130 B	1.11
4	pH at 25°C	-	APHA (24rd Ed 2023) Method 4500 H+ B	7.30
5	Conductivity at 25°C	µS/cm	APHA (24rd Ed 2023) Method 2510 B	146
6	Total Dissolved Solids	mg/L	APHA (24rd Ed 2023) Method 2540 C	94
7	Total Hardness (as CaCO ₃)	mg/L	APHA (24rd Ed 2023) Method 2340 C	32
8	Calcium (as Ca ⁺²)	mg/L	APHA (24rd Ed 2023) Method 3500 Ca+2 B	6
9	Magnesium (as Mg ⁺²)	mg/L	APHA (24rd Ed 2023) Method 3500-Mg+2 B	< 5
10	Chloride (as Cl ⁻)	mg/L	APHA (24rd Ed 2023) Method 4500-Cl - B	17
11	Sulphate (as SO ₄ ⁻²)	mg/L	APHA (24rd Ed 2023) Method 4500-SO4-2 E	11
12	Nitrate (as NO ₃ ⁻)	mg/L	APHA (24rd Ed 2023) Method 4500-NO3- B	10.07
13	Fluoride (as F ⁻)	mg/L	APHA (24rd Ed 2023) Method 4500-F - C	0.58
14	Total Alkalinity (as CaCO ₃)	mg/L	APHA (24rd Ed 2023) Method 2320 B	40

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.
5. Sample is collected by sender.

Checked By :

Binal Chaudhary
Chemist / Tech. Manager
Technical Manager
R.P.H.E. Laboratory,
G.W.S.S. Borad, Palanpur



Issued By:

Rajan Chavda
Authorized Signatory
Quality Manager
R.P.H.E. Laboratory,
G.W.S.S. Borad, Palanpur

End of the Test Report

O.W.No. RPHELPLN/CTR/ 115 of 2025, Dt.18-04-2026

Address: Ground Floor, "Jalbhaven", Nr. Adarsh High School, Dairy Road, Palanpur-385001

Email: rphelpin@gmail.com

Page 1

Manager
Banas Sainik School
Palanpur Dist: Banaskantha

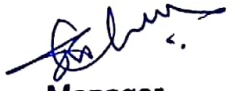
Principal
Banas Sainik School
Palanpur Dist: Banaskantha

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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	-	Agreeable	Agreeable
3	Turbidity	NTU	1	5
4	pH at 25°C	-	6.5 to 8.5	No relaxation
5	Conductivity at 25°C	μS/cm	-	-
6	Total Dissolved Solids	mg/L	500	2000
7	Total Hardness (as CaCO ₃)	mg/L	200	600
8	Calcium (as Ca)	mg/L	75	200
9	Magnesium (as Mg)	mg/L	30	100
10	Chloride (as Cl)	mg/L	250	1000
11	Sulphate (as SO ₄)	mg/L	200	400
12	Nitrate (as NO ₃)	mg/L	45	No relaxation
13	Fluoride (as F)	mg/L	1	1.5
14	Total Alkalinity (as CaCO ₃)	mg/L	200	600


Manager
 Banas Sainik School
 Palanpur Dist: Banaskantha


Principal
 Banas Sainik School
 Palanpur Dist: Banaskantha



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Regional Public Health
Engineering Laboratory,
Gujarat Water Supply
& Sewerage Board
Palanpur - 385001



REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

The Public Relations Officer,
Banas Sainik School,
Moriya
Pvt

Ser No's Ref. No : -

Ref. Date 16-Apr-26

Date of Collection 16-Apr-26

Date of Receipt at Lab 16-Apr-26

Sample collected by Customer

Lab Ref. i.e. BW No.	211
Date of Commencing Examination	16-Apr-26
Source of Water Sample	R.O. Water
Source Details	R.O. Water, Banas Sainik School
Village	Moriya
Habitation	Moriya
Taluka	Palanpur
District	Banaskantha
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	0
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37° C	0
Free Chlorine (PPM)	Nil
OPINION FOR POTABILITY AS PER THE BIS:10500:2012	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 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.
@ 0.2ppm Free Residual Chlorine at consumer end is recommended
2) Test Report is issued for assessing Bacteriological Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.
3) This Report should not be taken as a basis to getting license from any Government authority
4) After Collection of Bact. Sample, it must be preserved at 4°C and submitted to laboratory within 24hrs.

Issued By:

Rajan Chavda

Authorized Signatory

Quality Manager

R.P.H.E. Laboratory,

G.W.S.S. Borad, Palanpur

O.W.No. RPHELPLN/BAR/ 115 of 2026, Dt.18-04-2026

Address: Ground Floor, "Jalbhavan", Nr. Adarsh High School, Dairy Road, Palanpur-385001

Email: rpHELPn@gmail.com

Manager
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Palanpur Dist: Banaskantha

Principal
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