



TALUKA LABORATORY
MANDVI, G.W.S.S.B, Sathvav
Main HeadWorks, Opp. Shree
Navchetan kedvani Aashram,
N.H.No 56 At Sathvav, Mandvi-
394160 E mail :
talukalabmandvi@gmail.com



NABL Recognized Laboratory (Certificate No. NABL-DWT-
00166, Valid up-to 24/02/2025) Doc.No. TL/7.8/F-01

તાલુકા પ્રયોગશાળા માંડવી, ગુ.પા.પુ.અને
ગ.વ.બોર્ડ, સથવાવ મેઈન હેડવર્ક્સ, શ્રી નવચેતન
કેવલની આશ્રમની સામે, ને.હા. નં ૫૬ સથવાવ
માંડવી-૩૯૪૧૬૦
E mail : talukalabmandvi@gmail.com

Test Report

Name & Address of Customer:-

The Pincipal
Eklavya Model Residential School , Mota
Badoli, Surat
--
Dist-Surat.

Customer Reference No. : O.Nc. 44 Dtd. 8/7/2024
Sample Submitted by : Sender
Date of Sample Receipt : 9/7/2024
Analysis Starting Date : 10/7/2024
Analysis completion Date : 10/7/2024
ULR No :
Discipline : Chemical Testing, Group: Water

Test Report No:	182/2024-25	Date of Issue	10/7/2024
Sample ID :	TMCW-182/7-24	Mode of Sample	Satisfactory
Main Source :	Ground water	Source	Hand Pump
Location :	Eklavya Model Residential School		
Village :	Mota	Habitation	Mota
Taluka :	Bardoli	District	Surat
Latitude :	--	Longitude	--
Kindly find herewith the Analytical Results.		Sample Type	Drinking Water

Sr. No.	Parameter	Unit	IS-10500:2012 (2nd Revision)		Reference Method :	Analytical Value
			Requirement (Acceptable Limit) Max.	Permissible Limit in the Absence of Alternate Source Max.		
1	Colour	Hazen	5	15	APHA (23 rd Ed 2017). Method: 2120 B	2
2	Odour	-	Agreeable	Agreeable	IS 3025 (Part 5) - 2018 (Second Revision)	Agreeable
3	Taste	-	Agreeable	Agreeable	IS 3025 (Part 8) -1984 (Reaffirmed 2017)	Agreeable
4	Turbidity	NTU	1	5	APHA (23 rd Ed 2017). Method: 2130 B	1.39
5	pH at 25°C	-	6.5 to 8.5	No relaxation	APHA (23 rd Ed 2017) Method: 4500 H ⁺ B	7.21
6	Total Dissolved Solids	mg/l	500	2000	APHA (23 rd Ed 2017) Method: 2540 C	508
7	Total Hardness(as CaCO ₃)	mg/l	200	600	APHA (23 rd Ed 2017) Method: 2340 C	244
8	Calcium (as Ca ⁺²)	mg/l	75	200	APHA (23 rd Ed 2017) Method: 3500 Ca ⁺² B	49
9	Magnesium (as Mg ⁺²)	mg/l	30	100	APHA (23 rd Ed 2017) Method: 3500-Mg ⁺² B	30
10	Chloride (as Cl ⁻)	mg/l	250	1000	APHA (23 rd Ed 2017) Method: 4500-Cl ⁻ B	124
11	Sulphate (as SO ₄ ⁻²)	mg/l	200	400	APHA (23 rd Ed 2017) Method: 4500-SO ₄ ⁻² E	28.01
12	Nitrate (as NO ₃ ⁻)	mg/l	45	No relaxation	APHA (23 rd Ed 2017) Method: 4500-NO ₃ ⁻ B	42.02
13	Fluoride (as F ⁻)	mg/l	1.00	1.50	APHA (23 rd Ed 2017) Method: 4500-F ⁻ C	0.63
14	Total Alkalinity (as CaCO ₃)	mg/l	200	600	APHA (23 rd Ed 2017) Method: 2320 B	232

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.

Issued By:

Jagruti J Chaudhari

LAB ANALYST

Name & Designation of Authorized Signatory

O.W.No. TLM/ 140 /of 2024, Dt. 10 / 7 / 2024.

End of the Test Report

TALUKA LABORATORY Gujarat water Supply Sewerage Board Mandvi Dist- Surat



REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

The Principal

Eklavya Model Residential School, Mota

Bardoli, Surat

Sender's Ref. No. :

O No. 44 Dtd. 8/7/2024

9/7/2024

Date & Time of Commencing
Examination :

9-Jul-24

Sample collected by :

Sender

BW No.	TMBW-178
Date of Collection	9-Jul-24
Date of Arrival at Lab.	9-Jul-24
Source of Water Sample	Hand Pump ,Eklavya Model Residential School
Village	Mota
Habitation	Mota
Taluka	Bardoli
District	Surat
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	A(H2S)
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37° C	
MPN of coliform per 100 ml of sample at 37° C	< 2
MPN of Faecal coliform per 100 ml of sample at 44° C	< 2
Free Chlorine (PPM)	Nil
OPINION FOR POTABILITY :	FIT

Important Note:-

1) '>=' Indicates greater than or equal to, 2) '<' Indicates less than, 3) 'P' Indicates Presence, 4) 'A' Indicates Absence

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.

- 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.: TLM / 141 / of 2024, Date: 10 / 7 / 2024

LABORATORY INCHARGE
LAB ANALYST

Sathvav Main Head Works, opp. Shree Navchetan Kedvani Aashram N.H.No 56 At Sathvav, Mandvi-394160 Surat

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated: 10/7/2024

It is certified that an inspection team headed by Jaigouti J. Chavalthari (Lab Analyst)

(Name of Officers with designation) from Mandvi PHED

inspected the Eklavya Model Residential School, Mandvi (EMRS Motu Campus)

(Name & Address of the school) on 10/7/2024 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. 182/2024-25 dated 10/7/2024

of Mandvi (PHED Lab) certified that

the Eklavya Model Residential School (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the

hygienic sanitation condition in the school building & the campus as per norms prescribed by the

Central/ State/ U.T. Govt.

This certificate is valid till Six Months from Report

Signature with Seal:

Name

Designation

Name & Address of the Office / Department: Public Health Sanl. Sub Div. Guj. W/S & S. Board Mandvi, Surat.

To Eklavya Model Residential School, Mandvi (EMRS Motu Campus)
(Name & Address of the Institution)

Waseem
Deputy Executive Engineer
Public Health Sanl. Sub Div.
Guj. W/S & S. Board
Mandvi, Surat.

Deepthi K. Vasavi
Deputy Executive Engineer
Public Health Sanl. Sub Div.
Guj. W/S & S. Board
Mandvi, Surat.

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated: 10/7/2024

It is certified that an inspection team headed by Jagruti J. Chaudhari (Lab Analyst)

(Name of Officers with designation) from Mandvi PHED

inspected the Eklavya Model Residential School, Mota (Bardoli)

(Name & Address of the school) on 10/7/2024 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. 182/2024-25 dated 10/7/2024

of Mandvi (PHED Lab) certified that

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Central/ State/ U.T. Govt.

This certificate is valid till Six Months from Report

Signature with Seal:

Name

Designation

Name & Address of the Office / Department : P.H.S. Sub. Division, Mandvi - Surat

Deputy Executive Engineer
Public Health Sanl. Sub Div.
Guj. W/S & S. Board

Deep Mandvi, Surat

Deputy Executive Engineer

Division, Mandvi - Surat

To Eklavya Model
Residential School, Mota
(Name & Address of the Institution)

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies