

**APPENDIX - VIII**

**PROFORMA REGARDING SAFE DRINKING WATER AND SANITARY CONDITION**  
**CERTIFICATE.**

No. pnc uen 18/2025

Date : 23/5/25

It is certified that an inspection team headed by Dr. Sangeet M. Jethpuriya  
(Name of Officers  
with designation) from Ayushman Arogya Mandir Kasturbadham (Name of  
Department/Office) inspected the B. G. K. Bhargava Vidhyamandir  
(Name & Address of  
the School) on 19/2/2025 and found that the Shree G. K. Bhargava  
Vidhyamandir (Name of school) has safe  
drinking water facilities for the students and members of staff of the institution and is maintaining  
the hygienic sanitation condition in the school building & the campus as per the norms  
prescribed by the Central/State/U.T Govt.

The above valid for a period of one year.

Signature with Seal : \_\_\_\_\_

Name

Designation

Dr. Sangeet M. Jethpuriya  
Medical Officer  
Primary Health Center  
Kasturbadham  
Primary Health Center  
Medical Officer

To

Shree G. K. Bhargava Vidhyamandir  
Bharnagar State Highway  
Kasturbadham - Rajkot

(Name & Address of the Institution)



**REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER**

**Name & Address**

**\*BHARAD SCHOOL**  
RAJKOT-BHAVNAGAR HIGHWAY,  
KASTURBADHAM (TRAMBA), RAJKOT-360020

Sender's Ref. No. : NIL

Ref. Date : 19-02-25

Date & Time of Commencing Examination : 19-02-25

Sample collected by : Sender

RBW No.	489
Date of Collection	19/02/2025
Date of Arrival at Lab.	19/02/2025
Source of Water Sample	*TUBE WELL WATER+RO FILTER WATER/IN GARDEN AREA
Village	RAJKOT
Habitation	RAJKOT
Taluka	RAJKOT
District	RAJKOT
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	---
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:-**

" Unsafe " :- Proper Disinfection may render it Safe.

Presence of Coliform in water sample indicates the need of proper Disinfection.

Water Sample contains very high Free Chlorine, such a high Chlorine is not advisable for human consumption. Free Chlorine shouldn't exceed "2 ppm" at the consumer end. Also the analysis is not feasible in presence of such a high Free Chlorine content.

\*\* Presence of Free Chlorine in the water indicates that water is disinfected and hence bacteriologically water is Fit for Potable use.

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.

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.

For:

Microbiologist

Outward No.: PHEL/RJT / 112 / of 2025, Date: 28 / 02 / 2025

 <p><b>P. H. E. Laboratory</b> <b>G.W.S. &amp; S.B.</b> 1<sup>ST</sup> Floor, Chimanbhai Patel Vikas Bhavan, Jamnagar Road, RAJKOT - 360001 Phone : (0281) 2441521</p>	 <p>જાહેર આરોગ્ય ઇજનેરી પ્રયોગશાળા ગુ. પા. પુ. અને ગ.વ્ય.બોર્ડ, પહેલો માળ, ચીમનભાઈ પટેલ વિકાસ ભવન, જામનગર રોડ, રાજકોટ- ૩૬૦૦૦૧ ફોન : (૦૨૮૧) ૨૪૪૧૫૨૧</p>	 <p>TC- 4117</p>
E mail : phel.rjt@gmail.com		

**Test Report**

Name &amp; Address of Customer:-

**\*BHARAD SCHOOL**

RAJKOT-BHAVNAGAR HIGHWAY,  
KASTURBADHAM (TRAMBA),  
RAJKOT-360020  
DIST.- RAJKOT

Customer Reference No.:

NILL

Sample Submitted by :

Sender

Date of Sample Receipt :

19/02/2025

Analysis Starting Date :

19/02/2025

Analysis Completion Date :

20/02/2025

UIR No.:

TC4117280000000764F

Discipline : Chemical Testing

Group : Water

Test Report No.:	545/12/2024	Date of Issue :	21/02/2025	
Sample ID :	RCW-545/12/2024	Mode of Sample:	-	
Main Source :	*Ground water	Source :	*TUBE WELL WATER+RO FILTER WATER	
Location :	*IN GARDEN AREA			
Village :	RAJKOT	Habitation :	RAJKOT	
Taluka :	RAJKOT	District :	RAJKOT	
Latitude :	-	Longitude :	-	
Kindly find herewith the Analytical Results.		Sample Type:	Drinking Water	
Sr. No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	CU	APHA (24 <sup>th</sup> Ed.2017), Method: 2120 B	<5
2	Turbidity	NTU	APHA (24 <sup>th</sup> Ed.2017), Method: 2130 B	1.78
3	pH at 25 <sup>0</sup> C	-	APHA (24 <sup>th</sup> Ed.2017) Method: 4500 H <sup>+</sup> B	8.00
4	Conductivity at 25 <sup>0</sup> C	μS/cm	APHA (24 <sup>th</sup> Ed.2017) Method: 2510 B	1422
5	Total Dissolved Solids	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 2540 C	908
6	Total Hardness (as CaCO <sub>3</sub> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 2340 C	360
7	Calcium (as Ca <sup>+2</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 3500 Ca <sup>+2</sup> B	78
8	Magnesium (as Mg <sup>+2</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 3500-Mg <sup>+2</sup> B	40
9	Chloride (as Cl <sup>-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 4500-Cl <sup>-</sup> B	220
10	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 4500-SO <sub>4</sub> <sup>-2</sup> E	52
11	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 4500-NO <sub>3</sub> <sup>-</sup> B	25.20
12	Fluoride (as F <sup>-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 4500-F <sup>-</sup> C	0.29
13	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA (24 <sup>th</sup> Ed.2017) Method: 2320 B	160

This Report is issued under the following terms &amp; 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. The Report shall not be reproduced except in full, Without approval of the laboratory.
4. Please refer back page for IS 10500:2012 (2<sup>nd</sup> Revision) limits.
5. \*This Information (Name and address of the customer, details of the sample) are provided by the customer.

Analysed By :

Checked &amp; Approved By:

Riddhi

Chemist / Dy. Quality Manager

  
(CHIRAG M. BAVALIYA)  
Authorised Signatory

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

O.W.No. PHEL/RJT/C. Report/ 113 /of 2025, Dt. 28 / 02 /2025.

1st Floor, Chimanbhai Patel Vikas Bhavan, RUDA Building, Jamnagar Road, Rajkot-360001

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

Sr. No.	Parameter	Unit	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
			Max.	Max.
1	Colour	CU	5	15
2	Turbidity	NTU	1	5
3	pH at 25 <sup>0</sup> C	-	6.5 to 8.5	No relaxation
4	Conductivity at 25 <sup>0</sup> C	μS/cm	-	-
5	Total Dissolved Solids	mg/l	500	2000
6	Total Hardness (as CaCO <sub>3</sub> )	mg/L	200	600
7	Calcium (as Ca)	mg/L	75	200
8	Magnesium (as Mg)	mg/L	30	100
9	Chloride (as Cl)	mg/L	250	1000
10	Sulphate (as SO <sub>4</sub> )	mg/L	200	400
11	Nitrate (as NO <sub>3</sub> )	mg/L	45	No relaxation
12	Fluoride (as F)	mg/L	1	1.5
13	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	200	600