

SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE.

No. 234 / PHE - Nana Kapaya / 2024

Date: 11/11/2024

It is certified that an inspection team headed by Dr. Suman Sama  
Medical Officer from  
PHE - Bhujpur (Nana Kapaya), Ta - Mundra inspected the

Shri O P Jindal Vidya Niketan, Samaghogha on 11/11/2024 and found that the Shri O P Jindal Vidya Niketan, Samaghogha 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 only

Signature with Seal : 

Name : Dr. Suman Sama **MEDICAL OFFICER**

Designation : Medical Officer **PHE : NANA KAPAYA**  
**TAL.: MUNDRA - KUTCH**

To

Shri O P Jindal Vidya Niketan,

C/o, Jindal Saw Ltd,

Gandhidham Mandvi Highway,

Samaghogha, Mundra - 37015



Taluka Laboratory  
Bhachau,  
Gujarat Water Supply &  
Sewerage Bord  
P.H.S.Sub.Division  
Bhachau - Kutch. 370140

તાલુકા પ્રયોગશાળા, ભચાઉ,  
ગુ. પા. પુ. અને ગ. વ્ય. બોર્ડ,  
જા. આ. સુ. પેટા વિભાગ,  
ભચાઉ-કચ્છ  
પીન- ૩૭૦૧૪૦



NABL-DWT-00171

E-mail : tl.bhachau@gmail.com

**Test Report**

Name & Address of Customer :-  
Principal  
Shri O.P.Jindal Vidhya Niketan,  
Mundra

Customer Reference No. :	0
Sample Submitted by :	Sender
Date of Sample Receipt :	08-10-2024
Analysis Starting Date :	09-10-2024
Analysis completion Date :	10-10-2024

Discipline : Chemical Testing, Group: Water

Test Report No :	993/2023-'24	Date of Issue :	10-10-2024	
Sample ID :	ACW-993/10-'24	Mode of Sample :	Satisfactory	
Main Source :	Surface Water	Source :	R.O Plant Water	
Location :	Tap Water At School R.O Plant			
Village :	Samaghogha	Habitation :	0	
Taluka :	Mundra	District :	Kachchh, Pin Code : 370421	
Latitude :	...	Longitude :	...	
Kindly find herewith the Analytical Results.	Sample Type :	Drinking Water		
Sr. No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	Hazen	APHA (23 <sup>rd</sup> Ed.2017), Method: 2120 C	<1
2	Odour	-	IS 3025 (Part 5) - 2018 (Second Revision)	Agreeable
3	Turbidity	NTU	APHA (23 <sup>rd</sup> Ed.2017), Method: 2130 B	0.50
4	pH at 25 <sup>o</sup> C	-	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500 H <sup>+</sup> B	7.05
5	Total Dissolved Solids	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 2540 C	120
6	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 2320 B	24
7	Chloride (as Cl <sup>-</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-Cl <sup>-</sup> B	18
8	Fluoride (as F <sup>-</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-F <sup>-</sup> C	0.18
9	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-NO <sub>3</sub> <sup>-</sup> B	0.00
10	Sulphate (as SO <sub>4</sub> <sup>-2</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 4500-SO <sub>4</sub> <sup>-2</sup> E	16
11	Calcium (as Ca <sup>+2</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 3500 Ca <sup>+2</sup> B	12
12	Magnesium (as Mg <sup>+2</sup> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 3500-Mg <sup>+2</sup> B	6
13	Total Hardness(as CaCO <sub>3</sub> )	mg/l	APHA (23 <sup>rd</sup> Ed.2017) Method: 2340 C	32
14	Conductivity	µs/cm	APHA (23 <sup>rd</sup> Ed.2017) Method: 2510 B	165

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. This report is not to be reproduce wholly or in part, and can't be used be as evidence in court of law.



*Dany*  
Checked & Issued By :

**CHEMIST**

Designation of Authorized Signatory

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

Outward No.:TL Bhachau/205

Date:-11-10-2024



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	Hazen	5	15
2	Odour	-	-	-
3	Taste	-	-	-
4	Turbidity	NTU	1	5
5	pH at 25 <sup>o</sup> C	-	6.5 to 8.5	No relaxation
6	Total Dissolved Solids	mg/l	500	2000
7	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600
8	Chloride (as Cl)	mg/l	250	1000
9	Fluoride (as F)	mg/l	1.00	1.50
10	Nitrate (as NO <sub>3</sub> )	mg/l	45	No relaxation
11	Sulphate (as SO <sub>4</sub> )	mg/l	200	400
12	Calcium (as Ca)	mg/l	75	200
13	Magnesium (as Mg)	mg/l	30	100
14	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600
15	Conductivity	µs/cm	-	-



TALUKA LABORATORY  
O/O The Dy. Ex.Eng.  
P.H.S Sub Dn.  
GWSSB Compound  
Bhachau (370140) Kachchh  
tl.bhachau@gmail.com



**REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER**

**Name & Address**

Principal  
Shri O.P.Jindal Vidhya Niketan  
Mundra

Sender's Ref. No. : ...

Ref. Date : ...

Date & Time of Commencing Examination : 08-Oct-24

Sample collected by : Sender

BW No.	46
Date of Collection	08-Oct-24
Date of Arrival at Lab.	08-Oct-24
Source of Water Sample	Tap Water At School R.O Plant
Village	Samaghogha
Habitation	0
Taluka	Mundra
District	Kachchh
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	0
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37° C	0
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 :	Safe

**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 "0.2 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.

Checked By

Chemist /Microbiologist

Outward No.: BAR / 206 / of 2024, Date:11/10/2024



*Dinesh M. Y.*  
Laboratory In Charge

**CHEMIST**