



PUBLIC HEALTH ENGINEERING LABORATORY
GUJARAT WATER SUPPLY SEWERAGE BOARD RAJKOT
1st Floor, Chimanbhai Patel Vikas Bhavan, Jamnagar Road, Rajkot-360001
Phone No. (0281) 2441521
Email:- phel.rjt@gmail.com



REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

*JAY INTERNATIONAL SCHOOL

VILL. CHAPRA

OP. WATER TANK KALAWAD ROAD, CHAPRA, RAJKOT

Sender's Ref. No. : NILL.11/05/2023

Ref. Date : 11-May-23

Date & Time of Commencing Examination : 11-May-23

Sample collected by : Sender

RBW No.	191
Date of Collection	11/05/2023
Date of Arrival at Lab.	11/05/2023
Source of Water Sample	*TUBE WELL WATER+RO FILTER WATER/IN SCHOOL
Village	CHAPRA
Habitation	CHAPRA
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.


Microbiologist



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**P. H. E. Laboratory
G.W.S. & S.B.**

1ST Floor, Chimanbhai Patel Vikas
Bhavan, Jamnagar Road.
RAJKOT - 360001
Phone : (0281) 2441521



જાહેર આરોગ્ય ઇજનેરી પ્રયોગશાળા
ગુ. પા. પુ. અને ગા.વ્ય.બોર્ડ,
પહેલો માળ, ચીમનભાઈ પટેલ વિકાસ ભવન,
જામનગર રોડ, રાજકોટ- ૩૬૦૦૦૧
ફોન : (૦૨૮૧) ૨૪૪૧૫૨૧

E.mail : phel.rjt@gmail.com

Test Report

Name & Address of Customer:-

***JAY INTERNATIONAL SCHOOL**

VILL.CHAPRA
OP. WATER TANK KALAWAD ROAD,
CHAPRA
RAJKOT

Customer Reference No.:

NILL.11/05/2023

Sample Submitted by :

Sender

Date of Sample Receipt :

11-May-23

Analysis Starting Date :

12-May-23

Analysis Completion Date :

15-May-23

ULR No.:

TC7149230000000650F

Discipline : Chemical Testing

Group : Water

Test Report No.:	227/05/2023	Discipline : Chemical Testing		Group : water
Sample ID :	RCW-227/05/2023	Date of Issue :	15/05/2023	
		Mode of Sample:	-	
Main Source :	*Ground water	Source :	*R O TREATED TUBE WELL WATER	
Location :	*IN SCHOOL			
Village :	CHAPRA	Habitation :	CHAPRA	
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 th Ed.2017), Method: 2120 B	<5
2	Turbidity	NTU	APHA (24 th Ed.2017), Method: 2130 B	1.40
3	pH at 25 ⁰ C	-	APHA (24 th Ed.2017) Method: 4500 H ⁺ B	7.11
4	Conductivity at 25 ⁰ C	μS/cm	APHA (24 th Ed.2017) Method: 2510 B	240
5	Total Dissolved Solids	mg/L	APHA (24 th Ed.2017) Method: 2540 C	146
6	Total Hardness (as CaCO ₃)	mg/L	APHA (24 th Ed.2017) Method: 2340 C	68
7	Calcium (as Ca ⁺²)	mg/L	APHA (24 th Ed.2017) Method: 3500 Ca ⁺² B	14
8	Magnesium (as Mg ⁺²)	mg/L	APHA (24 th Ed.2017) Method: 3500-Mg ⁺² B	8
9	Chloride (as Cl ⁻)	mg/L	APHA (24 th Ed.2017) Method: 4500-Cl ⁻ B	28
10	Sulphate (as SO ₄ ⁻²)	mg/L	APHA (24 th Ed.2017) Method: 4500-SO ₄ ⁻² E	11
11	Nitrate (as NO ₃ ⁻)	mg/L	APHA (24 th Ed.2017) Method: 4500-NO ₃ ⁻ B	4.31
12	Fluoride (as F ⁻)	mg/L	APHA (24 th Ed.2017) Method: 4500-F ⁻ C	0.11
13	Total Alkalinity (as CaCO ₃)	mg/L	APHA (24 th Ed.2017) Method: 2320 B	60

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4. Please refer back page for IS 10500:2012 (2nd Revision) limits.
5. *This Information (Name and address of the customer, details of the sample) are provided by the customer.

Analysed By :

Checked & Approved By:

Chemist / Dy. Quality Manager

(MEHUL B. CHAVDA)
Authorised Signatory

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



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PHEL/7.8/F-01

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ફોન : (૦૨૮૧) ૨૪૪૧૫૨૧

E-mail : phel.rjt@gmail.com

Test Report

Name & Address of Customer:-

***JAY INTERNATIONAL SCHOOL**

VILL:CHAPRA
OP. WATER TANK KALAWAD ROAD,
CHAPRA
RAJKOT

Customer Reference No.:

NILL.11/05/2023

Sample Submitted by :

Sender

Date of Sample Receipt :

11-May-23

Analysis Starting Date :

12-May-23

Analysis Completion Date :

15-May-23

ULR No.:

TC7149230000000649F

Discipline : Chemical Testing

Group : Water

Test Report No.:	226/05/2023	Discipline : Chemical Testing		Group : Water
Sample ID :	RCW-226/05/2023	Date of Issue :		15/05/2023
Main Source :	*Ground water	Mode of Sample:		-
Location :	*IN SCHOOL	Source :		*TUBE WELL WATER
Village :	CHAPRA	Habitation :		CHAPRA
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 th Ed 2017), Method: 2120 B	<5
2	Turbidity	NTU	APHA (24 th Ed 2017), Method: 2130 B	1.89
3	pH at 25 th C	-	APHA (24 th Ed 2017) Method: 4500 H ⁺ B	7.03
4	Conductivity at 25 th C	μS/cm	APHA (24 th Ed 2017) Method: 2510 B	487
5	Total Dissolved Solids	mg/L	APHA (24 th Ed 2017) Method: 2540 C	304
6	Total Hardness (as CaCO ₃)	mg/L	APHA (24 th Ed 2017) Method: 2340 C	160
7	Calcium (as Ca ⁺²)	mg/L	APHA (24 th Ed 2017) Method: 3500 Ca ⁺² B	34
8	Magnesium (as Mg ⁺²)	mg/L	APHA (24 th Ed 2017) Method: 3500-Mg ⁺² B	18
9	Chloride (as Cl ⁻)	mg/L	APHA (24 th Ed 2017) Method: 4500-Cl ⁻ B	60
10	Sulphate (as SO ₄ ⁻²)	mg/L	APHA (24 th Ed 2017) Method: 4500-SO ₄ ⁻² E	29
11	Nitrate (as NO ₃ ⁻)	mg/L	APHA (24 th Ed 2017) Method: 4500-NO ₃ ⁻ B	3.57
12	Fluoride (as F ⁻)	mg/L	APHA (24 th Ed 2017) Method: 4500-F ⁻ C	0.17
13	Total Alkalinity (as CaCO ₃)	mg/L	APHA (24 th Ed 2017) Method: 2320 B	136

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Analysed By :

Checked & Approved By:

Chemist / Dy. Quality Manager

(MEHUL B. CHAVDA)
Authorised Signatory

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

NO. _____

Date: 13-07-2022

It is to certify that an inspection team headed by

Dr. Darshana H. Dadhaviya from Primary Health Center, Chappra, inspected

the Jay International School, situated at Vi-Chappra, Kalawad Road, Rajkot.

On 15/7/2022 and found that the Jay International School has

safe facilities for the students and members of institution and is maintaining

the hygienic sanitation condition in the school building & the campus as per

the norms prescribed by the state government.

The above letter is valid for a period of 15/7/2028



[Signature]
બેચુરી હેલ્થ ઓફિસર (CHO)
ભાવરા

[Signature]
Principal
Jay International School
Rajkot