



તાલુકા પ્રયોગશાળા
નાયબ કાર્યપાલક ઇજનેરશ્રી ની કચેરી
જાહેર આરોગ્ય સુખાકારી પેટા વિભાગ
લક્ષ્મીપુરા રેલવેક્રોસ સાઇટ,
કડી-આદુન્દરા રોડ, કડી-૩૮૨૭૧૫

E-mail : tlab.kadi@gmail.com

Block Laboratory
O/o The Dy. Ex. Engineer,
Public Health Sanitary Sub Division,
Laxmipura Headworks Site,
Kadi-Adundara Road, KADI-382715



REPORT ON SHORT CHEMICAL EXAMINATION OF WATER

Name & Address

Principal
Bhavkunj School, S.V.Campus, Kadi
Kadi

Sender's Ref. No. : BKS/2021-22/06-12

Ref. Date : 25-Jun-21

Date of Collection : 25-Jun-21

Date of Arrival : 25-Jun-21

Lab. Ref. No. - CW : 055

Sample Collected By : Sender

Source of water Sample :-

R.O Plant, Bhavkunj School 10"Ø x 750 Ft. 23.289244 72.326542

Village:KADI, Habitation:KADI, Taluka:KADI, District:MEHSANA

Sr. No.	CHARACTERISTIC	Value as per IS 10500 : 2012 [2 nd Revision]		Analytical Value
		Requirement [Acceptable Limit] MAX	* Permissible Limit in the absence of Alternate Source MAX	
1	Colour - Hazen Units	5	15	Nil
2	Odour	Agreeable	Agreeable	Agreeable
3	Turbidity - NTU	1	5	Nil
4	Dissolve Solids - mg/l	500	2000	138
5	Conductivity - µs/cm	217
6	pH	6.5 to 8.5	No Relaxation	6.80
7	Total Hardness (as CaCO ₃) mg/l	200	600	96
8	Calcium (as Ca ⁺²) mg/l	75	200	18
9	Magnesium (as Mg ⁺²) mg/l	30	100	12
10	Chloride (as Cl ⁻) mg/l	250	1000	16
11	Sulphate (as SO ₄ ⁻²) mg/l	200	400	1
12	Nitrates (as NO ₃ ⁻) mg/l	45	No Relaxation	0.00
13	Fluoride (as F ⁻) mg/l	1.0	1.5	0.07
14	Alkalinity (as CaCO ₃) mg/l	200	600	24
Opinion for Potability is given as per Analysed test parameter/s only.				FIT

Note:

* It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under "permissible limit in the absence of alternate source" above which the sources will have to be rejected.

1. Test Report is issued for assessing Chemical 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. Chemical Sample must be submitted within 72 hours to laboratory from time of collecting sample.
4. Excessive Turbidity, if any may be removed before use.

Outward No.: CAR / Camp of 2021, Date : 20 / 06 / 2021
mehamei

K.S.Naluy
Laboratory In charge



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Block Laboratory
O/o The Dy. Ex. Engineer,
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REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

Principal
Bhavkunj School, S.V.Campus, Kadi
Kadi

Sender's Ref. No. : BKS/2021-22/06-12

Ref. Date : 25-Jun-21

Date & Time of Commencing Examination : 25-Jun-21

Sample collected by : Sender

BW No.	355
Date of Collection	25-Jun-21
Date of Arrival at Lab.	25-Jun-21
Source of Water Sample	R.O Plant, Bhavkunj School 10"Ø x 750 Ft. 23.289244 72.326542
Village	Kadi
Habitation	Kadi
Taluka	Kadi
District	Mehsana
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37° C	Absent
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37° C
MPN of coliform per 100 ml of sample at 37° C	-----
MPN of Faecal coliform per 100 ml of sample at 44° C	-----
Free Chlorine (PPM)	Nil
OPINION FOR POTABILITY :	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.

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.: BAR / Catomp / of 2021, Date: 30 / 06 / 2021

Mehsana

K.S.Nahy
Laboratory In charge