



District Laboratory
 Nr. Vrundavan Hotel,
 Godhra Road,
 Lunawada, Mahisagar
 Pin-389230, Ph No- 02674 : 250840



જીલ્લા પંચાયત,
 વૃંદાવન હોટલ પાસે,
 ગોધરા રોડ,
 લુનાવડા, મહિસાગર-૩૮૯૨૩૦
 ફોન નંબર ૦૨૬૭૪-૨૫૦૮૪૦

Test Report

Name & Address of Customer:-

Shivshakti education charitable trust
 Crystal international school
 Moti Sonela
 Lunawada
 mahisagar

Customer Reference No.: Nil

Sample Submitted by: Customer
 Date of Sample Receipt: 03.03.2025
 Analysis Starting Date: 04.03.2025
 Analysis completion Date: 04.03.2025

Discipline:		Group: Water	
Chemical testing			
Test Report No:	330/2025-26	Date of Issue:	06.03.2025
Sample ID:	LCW-330/2025-26	Mode of Sample:	Satisfactory
Main Source:	Ground water	Source:	Tube Well
Location:	Nr crystal school	Habitat:	Ganjal
Village:	Moti sonela	District:	Mahisagar
Taluka:	Lunawada	Longitude:	-

Kindly find herewith the Analytical Results.

Sr.No	Parameter	Unit	Reference Method	Analytical Value
1	Colour	Hazen	APHA (24 th Ed.2017) Method: 2120 B	<1
2	Odour	-	IS:3025 (Part 5) : 2022	Agreeable
3	Taste	-	IS:3025 (Part 8) : 2023	Agreeable
4	Turbidity	NTU	APHA (24 th Ed.2017), Method: 2130 B	0.33
5	pH at 25°C	-	APHA (24 th Ed.2017) Method: 4500 H ⁺ B	7.02
6	Total Dissolved Solids	mg/l	APHA (24 th Ed.2017) Method: 2540 C	256
7	Total Hardness (as CaCO ₃)	mg/l	APHA (24 th Ed.2017) Method: 2340 C	216
8	Calcium (as Ca ⁺²)	mg/l	APHA (24 th Ed.2017) Method: 3500 Ca ⁺² B	62
9	Magnesium (as Mg ⁺²)	mg/l	APHA (24 th Ed.2017) Method: 3500-Mg ⁺² B	15
10	Chloride (as Cl ⁻)	mg/l	APHA (24 th Ed.2017) Method: 4500-Cl ⁻ B	108
11	Sulphate (as SO ₄ ⁻²)	mg/l	APHA (24 th Ed.2017) Method: 4500-SO ₄ ⁻² E	28.51
12	Nitrate (as NO ₃ ⁻)	mg/l	APHA (24 th Ed.2017) Method: 4500-NO ₃ ⁻ B	15.14
13	Fluoride (as F ⁻)	mg/l	APHA (24 th Ed.2017) Method: 4500-F ⁻ C	0.51
14	Total Alkalinity (as CaCO ₃)	mg/l	APHA (24 th Ed.2017) Method: 2320 B	116
15	Conductivity	µS/cm	APHA (24 th Ed.2017) Method: 2510 B	312

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.
4. Please refer back page for IS 10500:2012 (2nd Revision) limits.

Checked By :

Vikram K. Machhar
 Vikram K. Machhar
 Technical Manager



D. Samvel
 Review By:

O.W.No. DL Lunawada/ 11 /of 2025, Dt. 05/ 03 / 2025.

End of the Test Report

IS-10500:2012 (2nd 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	-	Agreeable	Agreeable
3	Taste	-	Agreeable	Agreeable
4	Turbidity	NTU	1	5
5	pH at 25°C	-	6.5 to 8.5	No relaxation
6	Conductivity at 25°C	µS/cm	7	-
7	Total Dissolved Solids	mg/l	500	2000
8	Total Hardness (as CaCO ₃)	mg/l	200	600
9	Calcium (as Ca)	mg/l	75	200
10	Magnesium (as Mg)	mg/l	30	100
11	Chloride (as Cl)	mg/l	250	1000
12	Sulphate (as SO ₄)	mg/l	200	400
13	Nitrate (as NO ₃)	P	45	No relaxation
14	Fluoride (as F)	mg/l	1	1.5
15	Total Alkalinity (as CaCO ₃)	mg/l	200	600



DISTRICT LABORATORY

Nr. Vrundavan Hotel, Godhra Road
Lunawada - MAHISAGAR
Phone: 02674-250840



REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

Principle of crystal school, Mota sonela
Crystal school
Mota sonela

Sender's Ref. No. :-

Ref. Date :-

Date & Time of Commencing Examination :- 03.03.2025

Sample collected by : Senders

BW No.	426
Date of Collection	03.03.2025
Date of Arrival at Lab.	03.03.2025
Source of Water Sample	Nr crystal school mota sonela
Village	Mota sonela
Habitation	Gamtal
Taluka	Lunawada
District	Mahisagar
APHA, AWWA, 9221-D Presence - Absence Coliform Test, @ 37°C	Absent
APHA, AWWA, 9221-F Presence - Absence E-Coli Test, @ 37°C	Absent
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

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 / 11 / of 2025 Date: 05 / 03 / 2025

Laboratory In charge