



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



જીલ્લા પ્રયોગશાળા,
 વૃંદાવન હોટલ પાસે,
 ગોધરા રોડ,
 લુણાવાડા- મહીસાગર-૩૮૯૨૩૦
 ફોન નંબર - ૦૨૬૭૪-૨૫૦૮૪૦

Test Report

Name & Address of Customer:-Crystal International School
 Managed By Shree Shivshakti Education & Charitable Trust
 Motasonela
 Lunawada
 Lunawada
 mahisagar

Customer Reference No.: -
 Sample Submitted by: Sender
 Date of Sample Receipt: 15.06.2023
 Analysis Starting Date: 16.06.2023
 Analysis completion Date: 16.06.2023
 ULR No:

Test Report No:	419/2023-24	Discipline :	Chemical testing	Group:Water
Sample ID:	LCW-419/2023-24	Date of issue:	17.06.2023	
Main Source:	Ground Water	Mode of Sample:	Satisfactory	
Location:	Shri Shivshakti Education And Charitable Trust Motasonela	Source:	Tube Well	
Village:	Motasonela	Habitation:	Motasonela	
Taluka:	Lunawada	District:	Mahisagar	
Latitude:	-	Longitude:	-	
Kindly find herewith the Analytical Results.				
Sr.No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	Hazer	APHA (23 rd Ed 2017), Method: 2120 C	<1
2	Odour	-	IS:3025 Part 5,2nd Revision:2018	Agreeable
3	Taste	-	IS:3025 Part 8 Reaffirmed,2017:1984	Agreeable
4	Turbidity	NTU	APHA (23 rd Ed 2017), Method: 2130 B	1.80
5	pH at 25°C	-	APHA (23 rd Ed 2017) Method: 4500 H ⁺ B	7.89
6	Total Dissolved Solids	mg/l	APHA (23 rd Ed 2017) Method: 2540 C	162
7	Total Hardness (as CaCO ₃)	mg/l	APHA (23 rd Ed 2017) Method: 2340 C	280
8	Calcium (as Ca ²⁺)	mg/l	APHA (23 rd Ed 2017) Method: 3500 Ca ²⁺ B	62
9	Magnesium (as Mg ²⁺)	mg/l	APHA (23 rd Ed 2017) Method: 3500-Mg ²⁺ B	30
10	Chloride (as Cl ⁻)	mg/l	APHA (23 rd Ed 2017) Method: 4500-Cl ⁻ B	52
11	Sulphate (as SO ₄ ²⁻)	mg/l	APHA (23 rd Ed 2017) Method: 4500-SO ₄ ²⁻ E	7
12	Nitrate (as NO ₃ ⁻)	mg/l	APHA (23 rd Ed 2017) Method: 4500-NO ₃ ⁻ B	3.49
13	Fluoride (as F ⁻)	mg/l	APHA (23 rd Ed 2017) Method: 4500-F ⁻ C	0.54
14	Total Alkalinity (as CaCO ₃)	mg/l	APHA (23 rd Ed 2017) Method: 2320 B	164

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 :

[Signature]
 Microbiologist
 District Laboratory
 G.W.S. & S.Board
 Lunawada

District Laboratory Lunawada
 G.W.S. & S. Board
 Nr.Vrundavan Hotel, Godhra Road,
 Lunawada, Dist.Mahisagar
 Pin-389230. Ph.:02674-250840

Issued By:

[Signature]
 District Laboratory
 G.W.S. & S.Board
 Lunawada

Dy. Tech Manager/Chemist

Name & Designation of
 Authorized Signatory

O.W.No. DL Lunawada/ 72 /of 2023, Dt. 17/06/2023.

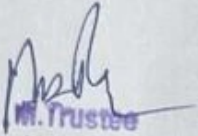
End of the Test Report

[Signature]
 PRINCIPAL
 CRYSTAL INTERNATIONAL SCHOOL
 At-Mota Sonela, Ta-Lunawada
 Dist-Mahisaga

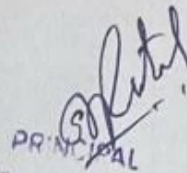
[Signature]
 Shree Shivshakti Education A
 Charitable Trust, Lunawada
 B/8 Sardar Patel Nagar
 Modasa Highway Road Lunawa

IS-10500:2012 (2nd Revision)

Sr. No.	Parameter	Unit	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
			Max.	Max.
1	Colour	haze	5	15
2	Odour	-	Agreeable	Agreeable
3	Taste	-	Agreeable	Agreeable
4	Turbidity	NTU	1	5
5	pH at 25 ^o C	-	6.5 to 8.5	No relaxation
6	Conductivity at 25 ^o C	µS/cm	-	-
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)	mg/l	45	No relaxation
14	Fluoride (as F)	mg/l	1	1.5
15	Total Alkalinity (as CaCO ₃)	mg/l	200	600


Trustee

Shree Shivshakti Education A.
Charitable Trust, Lunawada
B/8 Sardar Patel Nagar
Wodasa Highway Road Lunawa


PRINCIPAL

CRYSTAL INTERNATIONAL SCHOOL
Al-Mota Junction, Ta-Lunawada
Dist-Mahisaga



DISTRICT LABORATORY

Nr.Vrundavan Hotel,Godhra Road

Lunawada-MAHISAGAR

Phone-02674-250840



REPORT ON BACTERIOLOGICAL EXAMINATION OF WATER

Name & Address

Crystan International School
Crystal International School Motasonela
Lunawada

Sender's Ref. No. :-

Ref. Date : 15-Jun-23

Date & Time of Commencing Examination : 15.06.2023

Sample collected by : Senders

BW No.	409
Date of Collection	15.06.2023
Date of Arrival at Lab.	15.06.2023
Source of Water Sample	Shri Shivshakti Education And Charitable Trust Motasonela
Village	Motasonela
Habitation	Motasonela
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 / 72 / of 2023, Date: 17 / 06 / 2023

Laboratory In charge

[Signature]
Microbiologist
District Laboratory
G.W.S. & S.Board
Lunawada

Shri Shivshakti Education A
Charitable Trust

District Laboratory Lunawada
G.W.S. & S. Board

Nr.Vrundavan Hotel, Godhra Road,
Lunawada, Dist.Mahisagar

Ph-300230. Ph:02674-250840

[Signature]
Chemist

District Laboratory
G.W.S. & S.Board
Lunawada