

પ્રયોગશાળા ઇન્ચાર્જ,  
જલલા પ્રયોગશાળા,  
પ્રથમ માળ, જલભવન,  
આર. ટી. ઓ. સામે, પાલાવાસણા,  
મેહસાણા - ૩૮૪૦૦૩.  
ફોન : (૦૨૭૬૨) ૨૨૫૩૬૫



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Laboratory In Charge,  
District Laboratory,  
First Floor, Jalbhavan,  
Opposite RTO, Palavasana,  
MEHSANA - 384003.  
Phone : (02762) 225365

## Test Report

**Name & Address of Customer:-**

The Principal  
Anand Niketan School  
Govt  
Mehsana  
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Customer Reference No.: ....., 23/Jun/2025  
Sample Submitted by : Sender  
Date of Sample Receipt : 23-Jun-2025  
Analysis Starting Date : 24-Jun-2025  
Analysis Completion Date : 24-Jun-2025  
Dicipline : Chemical Testing, Group : Drinking Water

Test Report No.: 191 / 2025-2026.		Date of Issue : 25-Jun-2025		
Sample ID : MCW-191 / 06-2025		Mode of Sample: Satisfactory		
Main Source : Surface water		Source : R.O Water		
Location : R.O Plant in Anand Niketan School Campus				
Village : Motidau		Habitation : Motidau		
Taluka : Mehsana		District : Mehsana		
Latitude : 23.668932		Longitude : 72.385897		
Kindly find herewith the Analytical Results.		Sample Type: Drinking Water		
Sr.No.	Parameter	Unit	Reference Method :	Analytical Value
1	Colour	Hazen	APHA (24 <sup>th</sup> Ed.2023), Method: 2120 B	<5
2	Turbidity	NTU	APHA (24 <sup>th</sup> Ed.2023), Method: 2130 B	0.92
3	pH at 25 <sup>o</sup> C	-	APHA (24 <sup>th</sup> Ed.2023) Method: 4500 H <sup>+</sup> B	8.04
4	Conductivity at 25 <sup>o</sup> C	μS/cm	APHA (24 <sup>th</sup> Ed.2023) Method: 2510 B	136
5	Total Dissolved Solids	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 2540 C	86
6	Total Hardness (as CaCO <sub>3</sub> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 2340 C	64
7	Calcium (as Ca <sup>+2</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 3500 Ca <sup>+2</sup> B	16
8	Magnessium (as Mg <sup>+2</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 3500-Mg <sup>+2</sup> B	6
9	Chloride (as Cl <sup>-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 4500-Cl <sup>-</sup> B	52
10	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 4500-SO <sub>4</sub> <sup>2-</sup> E	4
11	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 4500-NO <sub>3</sub> <sup>-</sup> B	4.58
12	Fluoride (as F <sup>-</sup> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 4500-F <sup>-</sup> C	0.10
13	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA (24 <sup>th</sup> Ed.2023) Method: 2320 B	28

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 :

*Charmi Patel*  
Charmi Patel

Technical Manager  
Technical Manager  
District Laboratory  
GWSSB, Mehsana



Issued By:

*Charmi Patel*  
Charmi Patel

Technical Manager  
Quality Manager  
District Laboratory  
GWSSB, Mehsana

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

O.W.No. DLMehsana/CTR/ 411 /of 2025, Dt. 25/ 06 /2025

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## 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	Turbidity	NTU	1	5
3	pH at 25 <sup>0</sup> C	-	6.5 to 8.5	No relaxation
4	Conductivity at 25 <sup>0</sup> C	μS/cm	-	-
5	Total Dissolved Solids	mg/L	500	2000
6	Total Hardness (as CaCO <sub>3</sub> )	mg/L	200	600
7	Calcium (as Ca)	mg/L	75	200
8	Magnesium (as Mg)	mg/L	30	100
9	Chloride (as Cl)	mg/L	250	1000
10	Sulphate (as SO <sub>4</sub> )	mg/L	200	400
11	Nitrate (as NO <sub>3</sub> )	mg/L	45	No relaxation
12	Fluoride (as F)	mg/L	1	1.5
13	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	200	600