



# OFFICE OF THE SENIOR CHEMIST PUBLIC HEALTH ENGINEERING DEPARTMENT ZONAL WATER TESTING LABORATORY, SIRSA

E-mail:-Seniorchemist.phedharyana@gmail.com



TC-11949

## Test Report

Test Report No : - SIR/02546	Issue report 25/07/2024
Issue To - Akal Academy Ellenabad	Location:- R.O Water Akal Academy Ellenabad
Your Reference No- By Hand Dt. 25/07/2024	Samples collected - Sh. Jitender
Sample Type - R.O Water	Sample Collected Date -25/07/2024
Lab Job Order No.- PC - 2093496	Sample Received Date 25/07/2024
Period of Analysis - 25/07/2024	Sample Quantity - 1 Ltr
Environmental Condition :- Temp 25 ± 2 °C, Humidity 55 ± 15 %	

Results						
S. No.	Parameter	Protocol Used	Results	IS: 10500:2012 (Second Revision) RA- 2018		Unit
				Desirable limit	Max. Permissible limit (in absence better alternate source)	
1	Total Dissolved Solid	APHA 2540 C 2017 23rd Edition-2017	62	500	2000	mg/L
2	Total Hardness (as CaCo3)	APHA 23rd Edition 2340 C: 2017	30	200	600	mg/L
3	Calcium (as Ca)	APHA 23rd Edition 3500- Ca B: 2017	<5	75	200	mg/L
4	Magnesium (as Mg)	APHA 23rd Edition 3500 -Mg B:2017	<5	30	100	mg/L
5	Total Alkalinity (as CaCo3)	APHA 23rd Edition 2320 B: 2017	30	200	600	mg/L
6	Chloride (as Cl)	APHA 23rd Edition 4500 -Cl- B: 2017	9.99	250	1000	mg/L
7	pH @ 25°C	APHA 23rd Edition 4500 -H+B:2017	7.42	6.5 -8.5	No relaxation	-
8	Turbidity	APHA 2130 B	0.25	1	5.0	NTU
9	Taste	IS3025 (Part-8)	Agreeable	Agreeable	Agreeable	Qualitative
10	Odour	IS3025 (Part-5)	Agreeable	Agreeable	Agreeable	Qualitative

**Remarks:- The Parameter Tested at Sr.No 1-10 as per requirement of IS:10500:2012 Second Revision(RA 2018).**

### Notes:

- The results given above are related to the sample as received and tested in PHED Lab, Sirsa Reliability of sample lies with the sender.
- The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
- The test report can't be used for any publicity or any legal purpose.
- The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.
- The above parameter are tested for drinking purpose

Sample analyzed by

(Santosh Kumari)

Authorized Signatory/ Senior Chemist  
PHED Zonal Water Testing Laboratory, Sirsa



OFFICE OF THE SENIOR CHEMIST  
PUBLIC HEALTH ENGINEERING DEPARTMENT  
ZONAL WATER TESTING LABORATORY, SIRSA

E-mail:-Seniorchemist.phedharyana@gmail.com



Test Report

Test Report No : - SIR/02546	Issue report 25/07/2024
Issue To - Akal Academy Ellenabad	Location:- R.O Water Akal Academy Ellenabad
Your Reference No- By Hand Dt. 25/07/2024	Samples collected - Sh. Jitender
Sample Type - R.O Water	Sample Collected Date -25/07/2024
Lab Job Order No.- PC - 2093496	Sample Received Date 25/07/2024
Period of Analysis - 25/07/2024	Sample Quantity - 1 Ltr
Environmental Condition :- Temp $25 \pm 2^{\circ}\text{C}$ , Humidity $55 \pm 15\%$	

Results

S. No.	Parameter	Protocol Used	Results	IS: 10500:2012 (Second Revision) RA- 2018		Unit
				Desirable limit	Max. Permissible limit (in absence better alternate source)	
11	Iron	APHA 3500-Fe B,2017 23rd Edition-2017	0.01	1.0	1.0	mg/L
12	Sulphate	APHA 4500 E 23rd Edition-2017	10	200	400	mg/L
13	Fluoride (as F)	APHA 4500-F D,C:2017 23rd Edition-2017	0.14	1.0	1.5	mg/L
14	Nitrate (as NO <sub>3</sub> )	APHA4500 -NO <sub>3</sub> - D :2017 23rd Edition-2017	0.5	45	No relaxation	mg/L
15	Color	APHA 2120 C; 2017	<5	5 Hazen Units	15 Hazen Units	Hazen Units
16	RCI	IS3025 (Part-26)	0.0	0.2	1.0	mg/L

Remarks:- The Parameter Tested at Sr.No 11-16 as per requirement of IS:10500:2012 Second Revision(RA 2018).

Notes:

- The results given above are related to the sample as received and tested in PHED Lab, Sirsa Reliability of sample lies with the sender.
- The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
- The test report can't be used for any publicity or any legal purpose.
- The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.
- The above parameter are tested for drinking purpose

Sample analyzed by

  
(Santosh Kumari)

Authorized Signatory/ Senior Chemist  
PHED Zonal Water Testing Laboratory, Sirsa

Memo No:- 1160

Date:- 8/8/24

**Subject : Bacteriological Examination Report of Water Sample**

Sample ID:	SIR/02545/7/2024	<b>Sample Details</b>	<b>Date &amp; Time</b>
Sample Classification:	Private	Collected By	Mrs. Jatinder ...,9875987260
Sender:	AKAL ACADEMY ELLENABAD	Collection Date	24/07/2024 at 12:39
Location :-	, R.O. WATER, AKAL ACADEMY ELLENABAD	Received at lab	25/07/2024 at 11:11
Latitude :-	74.638284	Tested at Lab	06/08/2024
Longitude :-	29.439260		

<b>Test Result (As Per BIS 10500 :2012)</b>				
<b>S.No.</b>	<b>Tested Parameter</b>	<b>Result</b>	<b>Requirement (Acceptable Limit)</b>	<b>Protocol Used</b>
1	Total Coliform per 100 ml	0	Shall not be detectable in any 100 ml sample	IS 15185:2016/ APHA 9221C; 2017

**Remarks :-**

- \* The Results Given above are related to the sample as received and tested in SIRSA lab.
- \* The test report can't be regenerated in whole or part there of without written permission of Competent Authority.
- \* The test report can't be used for any publicity or any legal purpose.
- \* Reliability of water sample sample lies with sender/collector of water sample.
- \* To check the sample report online Scan the QR Code below.

Water Sample has been found "**CONFORMING**" to Limits set in BIS10500:2012 for the tested parameters. Based on the tested parameters, the water sample is found "**POTABLE**"



  
SANTOSH KUMARI, SENIOR CHEMIST  
PUBLIC HEALTH ENGINEERING DEPARTMENT  
ZONAL WATER TESTING LABORATORY SIRSA  
email:-Seniorchemist.hr@phedharyana.gov.in

-----End of Report-----.