



**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/03399	Issue Date -20/09/2024
Issue To - Rigveda Public School Vill Shakkar Mandori Sirsa	Location- R.O water Rigveda Public School Vill Shakkar Mandori Sirsa
Your Reference No- By Hand Dt. 20/09/2024	Collected By - Sh. Sharvan Kumar
Sample Type - .R.o water	Sample Collected Date -20/09/2024
Lab Job Order No.- PC -2132801	Sample Received Date -20/09/2024
Period of Analysis - 20/09/2024	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	40	500	2000	mg/L
2	Total Hardness (as CaCo3)	APHA 23rd Edition 2340 C: 2017	12	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	10	200	600	mg/L
6	Chloride (as Cl)	APHA 23rd Edition 4500-Cl- B: 2017	4.99	250	1000	mg/L
7	pH @ 25°C	APHA 23rd Edition 4500-H+B:2017	7.39	6.5-8.5	No relaxation	-
8	Turbidity	APHA 2130 B	0.10	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/03399	Issue Date -20/09/2024
Issue To - Rigveda Public School Vill Shakkar Mandori Sirsa	Location- R.O water Rigveda Public School Vill Shakkar Mandori Sirsa
Your Reference No- By Hand Dt. 20/09/2024	Collected By - Sh. Sharvan Kumar
Sample Type - .R.o water	Sample Collected Date -20/09/2024
Lab Job Order No.- PC -2132801	Sample Received Date -20/09/2024
Period of Analysis - 20/09/2024	Sample Quantity - 1 Ltr
Enviormental Condtion :-	Temp 25 ± 2 °C, Humidity 55 ± 15 %

Results

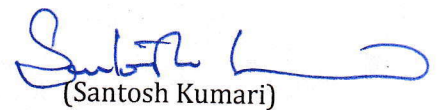
S. No.	Parameter	Protocol Used	Results	IS: 10500:2012 (Second Revision) RA- 2018		Unit
				Desirable limit	Max. Permissible limit (in absence better alternate source)	
11	Iron	APHA 3500-Fe B,2017 23rd Edition-2017	0.00	1.0	1.0	mg/L
12	Sulphate	APHA 4500 E 23rd Edition-2017	4	200	400	mg/L
13	Fluoride (as F)	APHA 4500-F D,C:2017 23rd Edition-2017	0.01	1.0	1.5	mg/L
14	Nitrate (as NO ₃)	APHA4500 -NO ₃ - D :2017 23rd Edition-2017	0.0	45	No relaxation	mg/L
15	Color	APHA 2120 C; 2017	<5	5 Hazen Units	15 Hazen Units	Hazen Units
16	RCl	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:- 1259

Date:- 20/09/2024

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification : SIR/03399/9/2024 / Private	Sample Details	Date & Time
Sender : Rigveda Public School Shakker Mandori Sirsa	Collected By	Sharvan Kumar
Location : , R.o Water Rigveda Public School Shakker Mandori	Collection Date	20/09/2024 at 12:15
Sample Description : Drinking Water	Received at lab	20/09/2024 at 12:23
Latitude / Longitude : 75.226264 / 29.345260	Analysis Start Date	20/09/2024
	Analysis End Date	20/09/2024
	Sample Quantity	1Lts

Test Result (As Per BIS 10500 :2012)

S.No.	Tested Parameter	Result	Requirement (Acceptable Limit)	Permissible Lmt. (In the Absence of Alternate Source)	Protocol Used
1	Total Dissolved Solids @ 180°C ± 2°C	40	500 mg/lit.	2000 mg/lit.	APHA 24th Edition -2540 C
2	Total Hardness as CaCO ₃	12	200 mg/lit.	600 mg/lit.	APHA 24th Edition -2340 C
3	Calcium as Ca	2.404	75 mg/lit.	200 mg/lit.	APHA 24th Edition-3500-Ca B
4	Magnesium as Mg	1.458	30 mg/lit.	100 mg/lit.	APHA 24th Edition -3500 Mg B
5	Iron as Fe	0.0	1.0 mg/lit.	1.0 mg/lit.	USEPA
6	Chloride as Cl	4.99	250 mg/lit.	1000 mg/lit.	APHA 24th Edition -4500 Cl-B
7	Sulphate as So ₄	4.0	200 mg/lit.	400 mg/lit.	USEPA / APHA 24th -4500 SO ₄ -E
8	Fluoride as F	0.01	1.0 mg/lit.	1.5 mg/lit.	APHA 24th Edition 4500 F-D:
9	Nitrate as No ₃	0	45 mg/lit.	45 mg/lit.	APHA 4500-NO ₃ - B / USEPA
10	pH @ 25°C	7.39	6.5 - 8.5	6.5 - 8.5	APHA 24th Edition 4500-H+ B
11	Total Alkalinity	10	200 mg/lit.	600 mg/lit.	APHA 24th Edition -2320 B
12	Color	<5	5 Hazen Units	15 Hazen Units	APHA 2120 C; 2017
13	Odour	AGREEABLE	Agreeable	Agreeable	IS 3025 (Part-5):1983: RA:2002
14	Taste	AGREEABLE	Agreeable	Agreeable	IS 3025 (Part-8):1984: RA:2002
15	Turbidity	0.10	1 NTU	5 NTU	APHA 24th Edition -2130 B
16	Free Residual Chlorine	0	0.2 mg/lit.	1.0 mg/lit.	IS 3025 (Part-26):2021

Remarks :-

- * The Results Given above are related to the sample as received and tested in PHED 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.
- * The test samples meant for chemical analysis will be disposed off after 7 days from the data of issue of test report unless until specifically requested by the customer for retaining over a longer period.

Water Sample has been found "**CONFORMING**" to Limits set in BIS10500:2012 for the tested parameters.



Sample analyzed by :

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