



OFFICE OF THE CHEMIST

PUBLIC HEALTH ENGINEERING DEPARTMENT
WATER TESTING LABORATORY, ROHTAK

E-mail:-chemist.rohtak@gmail.com



To

The Principal
Navyug Shiksha Niketan Sr. Sec.School
5 km Milestone, Ladhot Road Village Bhaiyapur
Rohtak

Memo No.- 1274 Dated- 28/7/2023

Subject:- Report of chemical analysis of RO water sample.

Reference:- Memo no. Nil dated-25.07.2023

Please find enclosed herewith 1 No. analysis report of RO water sample received vide your letter under reference on dated 27.07.2023 for information and further necessary action.

DA/As above

(Ms.Deepika)
Authorized Signatory/Chemist
PHED Water Testing Laboratory, Rohtak

Govt. of Haryana

Public Health Engineering Department, Water Testing Laboratory, Rohtak
Near 2ND Water Works, Jhajjar Road, Rohtak -124001

Email id: chemist.rohtak@gmail.com

Test Report

Test Report No. : RTK/01505/7/2023 Issue Date: 28.07.2023
Issued To : The Principal, Navyug Shiksha Niketen Sr. Sec. School, 5km Milestone
Ladhot Road, Bhaiyapur, Rohtak
Customer Reference No. : Nil Dated: 25.07.2023
Sample Type : RO Water sample
Sample Collected by : Party Self
Sample received on dated : 27.07.2023
Sample Location : Navyug Shiksha Niketen Sr. Sec. School, 5km Milestone
Ladhot Road, Bhaiyapur, Rohtak
Sample Quantity : 1Ltr
Date of Analysis started : 27.07.2023
Dated of analysis completed : 27.07.2023

RESULTS

Sr 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 Solids at 180 ± 2°C	APHA2540 C 23 rd Edition	102	500	2000	mg/L
2	Total Hardness as (CaCO ₃)	APHA2340 C 23 rd Edition	101	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B 23 rd Edition	25.90	75	200	mg/L
4	Magnesium (as Mg)	APHA3500 Mg B 23 rd Edition	8.83	30	100	mg/L
5	Total Alkalinity	APHA 2320 B 23 rd Edition	58.8	200	600	mg/L
6	Chloride (as Cl)	APHA4500-Cl B 23 rd Edition	26.49	250	1000	mg/L
7	pH @25°C	APHA4500-H ⁺ B 23 rd Edition	7.45	6.5 to 8.5	No relaxation	pH
8	Sulphate (as So ₄)	USEPA	20	200	400	mg/L
9	Fluoride (as F)	USEPA	0.38	1.0	1.5	mg/L
10	Iron(as Fe)	USEPA	0.01	1.0	No relaxation	mg/L
11	Nitrate (as NO ₃)	USEPA	0.05	45	45	mg/L

The sample confirms to the requirement of acceptable limit of drinking water as per IS 10500:2012 for the above tested parameter.

Notes:

1. The results given above are related to the sample as received and tested in PHED Lab, Rohtak. Reliability of sample lies with the sender
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory
3. The test report can't be used for any publicity or any legal purpose
4. 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

Sample Analysed by: Rahul

(Ms.Deepika)

Authorized Signatory/Chemist
PHED Water Testing Laboratory, Rohtak