

OFFICE OF THE CHEMIST
PUBLIC HEALTH ENGINEERING DEPARTMENT
WATER TESTING LABORATORY SONIPAT

To

The Sub-Divisional Engineer,
PHE Sub Division No.7

Memo No.- 235

Dated :- 3/6/2021

Subject.- Chemical Analysis Reports.

Kindly find enclosed herewith 1 No. Chemical Analysis report from Sample ID SNP/00253/5/2021 of water sample send by your office vide letter No.535 Dated 21.05.2021

This is for your information & further necessary action please.

DA/As Above


Chemist

Public Health Engg. Deptt.,
Water Testing Laboratory, Sonipat

Test Report

Test Report No. : SNP/00253/5/2021
 Issued To: : SDE PHE Sub Division No.7
 Customer Reference No. : 535 Dated: 21.05.2021
 Sample Description : Water
 Sample Type : Chemical Analysis
 Sample collected on dated : 21.05.2021
 Sample Collected by : SDE Office
 Sample received on dated : 21.05.2021
 Sample Location : Delhi Public School, Khewra (R.O Water)
 Sample Quantity : 1 Ltr
 Date of Analysis started : 21.05.2021
 Dated of analysis completed : 28.05.2021


RESULTS

Sr. No.	Parameter	Protocol Used	Results	IS: 10500: 2012 (RA-2018)		Unit
				Desirable limit	Max. Permissible limit (in absence better alternate source)	
1.	Taste	IS 3025(Part8)	Agreeable	Agreeable		-----
2.	Odour	IS 3025(Part5)	Agreeable	Agreeable		-----
3.	Colour	APHA 23 rd edition-2120-B	1.0	5	15	Hazen
4.	Turbidity	APHA23 rd edition-2130 B	1.23	1	5	NTU
5.	Total Dissolved Solids@180°C±2°C	APHA23 rd edition-2540 C	59	500	2000	mg/L
6.	Total Hardness	APHA23 rd edition-2340 C	29.91	200	600	mg/L
7.	Calcium (as Ca)	APHA23 rd edition-3500-Ca B	7.9	75	200	mg/L
8.	Magnesium (as Mg)	APHA23 rd edition-3500 Mg B	2.42	30	100	mg/L
9.	Total Alkalinity	APHA23 rd edition- 2320 B	39.8	200	600	mg/L
10.	Chloride (as Cl)	APHA23 rd edition-4500 Cl B	19.99	250	1000	mg/L
11.	pH @25°C	APHA23 rd edition-4500-H+ B	7.86	6.5 to 8.5	No relaxation	pH Units

Notes:

- The results given above are related to the sample as received and tested in PHED Lab, Sonipat. Reliability of sample lies with the sender. Sample not collected by this Laboratory.
- 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.

Sample analyzed by: Pankaj


 (Virender Singh)
 Authorized Signatory/Chemist
 PHED Water Testing Laboratory, Sonipat

END OF TEST REPORT

APPENDIX-VIII

PROFORMA REGARDING SAFE DRINKING WATER AND SANITARY CONDITION
CERTIFICATE.

It is certified that Dehli Public School ,Sonipat, Bhalgarh, Meerut Road,
Khewra.

has safe drinking water Facilities for the students and members of staff of the
institution are maintaining the hygienic sanitation condition in the school
building & the campus as per the norms prescribed by the central/ State/U.T
Govt.

The above certificate is valid for a period of six months.


CHEMIST

Signature with Seal : Public Health Eng. Department
Water Testing Laboratory, Sonapat

Name : Deepika

Designation : Chemist

To

Dehli Public School, Bhalgarh, Meerut Road, Khewra ,
Sonipat.

(Name & Address of the Institution)

PUBLIC HEALTH ENGINEERING DEPARTMENT, WATER TESTING LABORATORY, SONIPAT

Lab No: 157

Date of Dispatch: 12/4/2019

- Sender's Address : Delhi Public School
- Source of Sample : Khera [R.O Water]
- Collected on : 21.03.2019
- Received on : 21.03.2019
- Reference No : -
- Sample Collected by : Sh. Pawan Kumar

Sr.No.	Substance/ Characteristic	Result	Desirable Limit	Maximum Permissible Limit (in absence of better Alternative Source)
			As per ISO 10500-2012	
1.	Colour, Hazen Units	0	5	25
2.	Odour	Unobjectionable	Unobjectionable	Unobjectionable
3.	Taste	Agreeable	Agreeable	Agreeable
4.	Turbidity, NTU	0	5	10
5.	Total Dissolved Solids, mg/l	90	500	2000
6.	Total Hardness, mg/l	80	200	600
7.	Calcium (as Ca), mg/l	24	75	200
8.	Magnesium (as Mg), mg/l	4.8	30	100
9.	Alkalinity, mg/l	70	200	600
10.	Chloride (as Cl), mg/l	60	250	1000
11.	Sulphate (as So ₄), mg/l	18	200	400
12.	Fluoride (as F), mg/l	0.11	1.0	1.50
13.	Iron (as Fe), mg/l	0.01	0.3	1.0
14.	Nitrate (as No ₃), mg/l	0.1	45	45
15.	Ph Value	6.99	6.5-8.5	No relaxn.

Reliability of Sample Lies with the Collector/Sender

OPINION

The Physico-Chemical Analysis of above Water Sample Indicates that all the contacts tested Above are in Permissible limit. Hence water is potable for above tested parameters.

[Signature]

CHEMIST

Public Health Engineering Department
Water Testing Laboratory Sonipat