

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY P.H.E.D. INDORE (M.P.)

ANALYSIS REPORT

Type of sample :-
 Particular of sender :-
 Particular of sample

R.O. water sample
 Principal Tilokendra Jain, International School, Chatri bagh Indore

Collected/Not collected by PHED

Sample no.	Place of collection and details of sample	Date
09	R.O. water sample Tilokendra Jain International School, Campus, Chatri bagh Indore	11/03/2024

particular to be filled in the laboratory

Date of Receipt:- 11/03/2024	Time of Receipt:- 11:30 Am
Lab Reference No. 39/11-03-2024	Date of Analysis:- 11/03/2024

Nature of study- Chemical and Bacteriological Analysis

S.no.	Characteristics	Unit	As Per BIS -10500:2012 for Drinking water		Result			
			Requirement (Desirable Limit)	Permissible Limit in the absence of alternet source	Sample 1	Sample 2	Sample 3	Sample 4
	GHI							
	Nitrate							
	Total Solids							

PHYSICAL TESTS

S.No.	Characteristic	Unit	Requirement	Permissible Limit	Sample 1	Sample 2	Sample 3	Sample 4
1	Temperature	°C	-	-	-			
2	Turbidity	NTU	1.0	5.0	4			
3	Colour	Hazen	5	15	-			
4	Odour	-	Unobjectionable	Unobjectionable	Unobjectionable			

CHEMICAL TESTS

S.No.	Characteristic	Unit	Requirement	Permissible Limit	Sample 1	Sample 2	Sample 3	Sample 4
5	pH	pH Scale	6.5 to 8.5	No relaxation	8.16			
6	Total Hardness as CaCO ₃	Mg/l	200	600	323			
7	Calcium as Ca ⁺⁺	Mg/l	75	200	76.4			
8	Magnisium as Mg ⁺⁺	Mg/l	30	100	31.68			
9	Total Alkalinity as CaCO ₃	Mg/l	200	600	302			
10	Chloride as Cl	Mg/l	250	1000	124			
11	Nitrate as NO ₃	Mg/l	45	45	15.40			
12	Total Dissolved Solids	Mg/l	500	2000	489			
13	Iron	Mg/l	1.0	1.0	0.40			
14	Sulphate as SO ₄	Mg/l	200	400	207.8			
15	Fluoride as F ⁻	Mg/l	1.0	1.5	0.20			
16	Manganese as Mn	Mg/l	0.1	0.3	0.0			
17	Residual chlorine as Cl ₂	Mg/l	0.2	1.0	-			
18	Arsenic	Mg/l	0.01	0.01	-			

BACTERIOLOGICAL TESTS

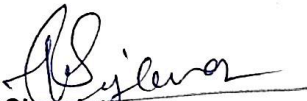
S.No.	Characteristic	Unit	Result	Sample 1	Sample 2	Sample 3	Sample 4
19	MPN of Coliform	Per 100 ml	Nil	00			
20	Faecal Coliform	Per 100 ml		00			

NOTES :- The figure indicated under the column "Requirement (Desirable Limit)" the limits upto which water is generally acceptable to the consumers. Figures in excess of those mentioned under "Requirement (Desirable Limit)" the water not acceptable, but still may be tolerated in the absence of an alternative and better source but upto the limits indicated under column "Permissible Limit in the absence of alternative source" above which the source will have to be rejected (Guidline values for Drinking Water as Per BIS 10500): 2012).


In All water intended for Drinking Water E.Coli or Thermo tolerant Coliform Bacteria must not be Detectable in any 100 ml sample.

Treated water entering in / in distribution system E.Coli or Thermo Tolerent Coliform bacteria and Total Coliform bacteria must not be detectable in any 100 ml sample. In case of large supplies, Where sufficient samples are examined must not be present in 95% of samples taken through out any 12 months period.

Remark if any :- As per above test water sample is found potable water.


Chemist

District Water Testing Laboratory
P.H.E. Sub.Dn.Indore
Distt. Indore


Assistant Engineer
PHE Sub Dn Indore
Public Health Engineering
Dist-Indore (M.P.)
Department Sub. Dn. Indore

NO. 371 /lab/ A.E/ Phe.sub.Division Indore Date 15/3/24

Office of the Assistant Engineer
Public Health Engineering department, Sub. Division, Indore
Radio colony, pani ki tanki, Indore

37/
No Lab/A.E./P.H.E./ Sub.dvn/2024

Indore/ Date.15/3/24

//Certificate//

It is certified that an Inspection by Mr. Virendra Singh Girmal
Chemist, District Water Testing Laboratory, P.H.E. Sub.
division, Indore Inspected the Tilokchand Jain International
School, Chatribagh, Indore and found that the, Tilokchand Jain International
School, Chatribagh, Indore has safe drinking water
facilities for the students and staffs members of the
Institution and is maintaining the hygienic sanitation
condition in the School building.

The above valid for a period of One year.

[Signature]
Assistant Engineer
Public Health Engineering Department
Sub. Division, Indore

[Signature]
CHEMIST
District Water Testing Laboratory
Signature Belwa P. Sehra (M.P.)
Name- Virendra Singh Girmal
Designation- Chemist

To,
Tilokchand Jain
International School
Chatribagh, Indore (M.P.)