

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY PHE INDORE

ANALYSIS REPORT

Type of sample :-

Particular of sender :-

Particular of sample

R.O. water sample
Mr. T. M. Brown, Principal Golden International School

Collected/Not collected by PHED

sample no.	place of collection and details of sample	date
01	R.O. water sample, Golden International School, P.H.E., Indore	20/07/2023

particular to be filled in the laboratory

Date of Receipt: 20/07/2023	Time of Receipt: 4:30 PM
Lab Reference No: 15/21-07-2023	Date of Analysis: 21/07/2023

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	Sample	Sample	Sample	
					01				

PHYSICAL TESTS

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

CHEMICAL TESTS

S.No.	Characteristics	Unit	Requirement	Permissible Limit	Result
5	pH	pH Scale	6.5 to 8.5	No relaxation	7.14
6	Total Hardness as CaCO ₃	Mg/l	200	600	80
7	Calcium as Ca ⁺⁺	Mg/l	75	200	23.2
8	Magnesium as Mg ⁺⁺	Mg/l	30	100	5.28
9	Total Alkalinity as CaCO ₃	Mg/l	200	600	64
10	Chloride as Cl	Mg/l	250	1000	38
11	Nitrate as NO ₃	Mg/l	45	45	10.44
12	Total Dissolved solids	Mg/l	500	2000	183
13	Iron	Mg/l	1.0	1.0	0.20
14	Sulphate as SO ₄	Mg/l	200	400	25.56
15	Fluoride as F ⁻	Mg/l	1.0	1.5	0.10
16	Manganese as Mn	Mg/l	0.1	0.3	-
17	Residual chlorine as Cl ₂	Mg/l	0.2	1.0	-
18	Arsenic	Mg/l	0.01	0.01	-

BACTERIOLOGICAL TESTS

S.No.	Characteristics	Unit	Result
19	MPN of Coliform	Per 100 ml	Nil
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 (Guideline values for Drinking Water as Per BIS 10500)

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 Tolerant 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
PHE Division Indore (M.P.)


Assistant Engineer
Public Health Engineering
Department Sub. Div. Indore

1380
NO.----- /Lab/ A.E./Phe.Sub.Division Indore Date 25/7/23

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

1381
No.../Lab/A.E./P.H.E./ Sub.dvn/2023

Indore/ Date 25/7/23

//Certificate//

It is certified that an Inspection by Mr. Virandea Singh Giriswal,
Chemist, District Water Testing Laboratory, P.H.E. Sub.
division, Indore Inspected the Golden International School
CAT Road Ray, Indore and found that the, Golden International school
CAT Road Ray, 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.


Assistant Engineer
Public Health Engineering Department
Sub. Division Indore


Chemist
District Water Testing Laboratory
P. H. E. D. Indore (M.P.)
Signature with Seal
Name- Virandea Singh Giriswal
Designation- Chemist

To,
Golden International
School CAT Road
Ray, Indore