

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY PHED, INDORE (M.P.)

ANALYSIS REPORT

Type of sample
Particular of sample
Particular of sample

R.O. Purified water sample
Principal, L.G. Academy, Pali, Indore

Collected / Not collected by PHED

Sample no.	Place of collection and details of sample	Date
01	R.O. Purified water sample L.G. Academy Pali, Indore Campus	30/01/2025

particular to be filled in the laboratory

Date of Receipt - 30/01/2025	Time of Receipt - 11:30 AM
Lab Reference No. 30-01-2025	Date of Analysis - 30/01/2025

Nature of Testing- Physical, 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

PHYSICAL TESTS

1	Temperature	°C	-	-	-			
2	Turbidity	NTU	1.0	5.0	0.70			
3	Colour	Hazen	5	15	0			
4	Taste Rating	-	Agreeable	Agreeable	Agreeable			
5	Odour	-	Agreeable	Agreeable	Agreeable			

CHEMICAL TESTS

6	pH Value	pH Scale	6.5 to 8.5	No relaxation	7.80			
7	Total Hardness as CaCO ₃	Mg/l	200	600	456			
8	Calcium as Ca ⁺⁺	Mg/l	75	200	121.6			
9	Magnesium as Mg ⁺⁺	Mg/l	30	100	36.48			
10	Total Alkalinity as CaCO ₃	Mg/l	200	600	204			
11	Chloride as Cl	Mg/l	250	1000	108			
12	Nitrate as NO ₃	Mg/l	45	45	40			
13	Total Dissolved Solids	Mg/l	500	2000	1064			
14	Iron	Mg/l	1.0	1.0	0.20			
15	Sulphate as SO ₄	Mg/l	200	400	71.25			
16	Fluoride as F	Mg/l	1.0	1.5	0.10			
17	Manganese as Mn	Mg/l	0.1	0.3	00			
18	Residual Chlorine as Cl ₂	Mg/l	0.2	1.0	-			
19	Arsenic	Mg/l	0.01	0.0	-			

BACTERIOLOGICAL TESTS

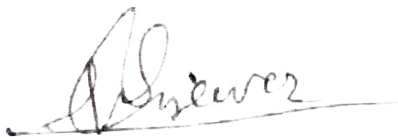
20	MPN of Coliform	Per 100 ml	Nil	00			
21	Faecal Coliform	Per 100 ml		00			

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 alternet 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.*

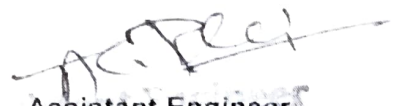


Chemist

District Water Testing Laboratory

P.H.E. Sub.Dn.Indore

Distt. Indore



Assistant Engineer

PHE Sub. Dn. Indore

Dist-Indore (M.P.)

NO 163 //lab/ A.E/ Phe.sub.Division Indore Date 3/2/25

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

No. 161 / Lab/A.E./P.H.E./ Sub.dvn/2025

Indore/ Date 03/02/2025

//Certificate//


It is certified that an inspection by Mr. Vivendra Singh Chivwal
Chemist, District Water Testing Laboratory, P.H.E. Sub. division, Indore
Inspected the L.G. Academy, CA 7 - Rau Road Indore
----- (M.P) on 30/01/25 and on the basis of Water
Test Report bearing No. 37 dated 30/01/2025 of District Water
Testing (PHED Lab) Certified that the L.G. Academy, CA 7 - Rau
Indore ----- (M.P) has safe drinking water facilities for
the students and members of staff of the Institution. School is also
maintains the hygienic sanitation condition in the School building.

The Certificate is valid till a period of 1 year.



District Water Testing Laboratory
P. H. E. D., Indore (M.P.)

Signature with Seal
Name Vivendra Singh Chivwal
Designation Chemist



Assistant Engineer
P. H. E. Sub. Div. INDORE
Public Health Engineering Department
Sub. division Indore

To, L.G. Academy
CA 7 - Rau Road, Indore