

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

(40)

1929
No. .../Lab/A.E./P.H.E./ Sub.dvn/2024

Indore/ Date 19/12/24

//Certificate//

It is certified that an inspection by Virendra Singh Girmal
Chemist, District Water Testing Laboratory, P.H.E. Sub. division, Indore
Inspected the The Emerald Heights World School, Balyaketha
Indore (M.P) on 11/12/24 and on the basis of Water
Test Report bearing No. 29 dated 11/12/2024 of District Water
Testing (PHED Lab) Certified that the The Emerald Heights World
School, Balyaketha, 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.

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

A. B. B. S.
Assistant Engineer
Public Health Engineering Department
Sub division Indore

To,
The Emerald Heights World
School, Balyaketha, Indore

M. S. S.
Principal
The Emerald Heights World School

Aisha Ahnag



D. S. S.
Manager
The Emerald Heights World School

The Emerald Heights World School

PUBLIC HEALTH ENGINEERING DEPARTMENT

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

ANALYSIS REPORT

(144)

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

R.O. water
Principal, The Emerald Heights School, Balyakhedra, Indore

Sample no.	Collected / Not collected by PHED <input checked="" type="checkbox"/>	Date
01	Place of collection and details of sample R.O. water sample, The Emerald Heights World School, Campus, Balyakhedra, Indore	09/12/2024

particular to be filled in the laboratory

Date of Receipt:- 09/12/24	Time of Receipt:- 12:30 pm
Lab Reference No. 29/11-12-2024	Date of Analysis:- 11/12/2024

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	2			
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	7.24			
7	Total Hardness as CaCO ₃	Mg/l	200	600	122			
8	Calcium as Ca ⁺⁺	Mg/l	75	200	35.2			
9	Magnesium as Mg ⁺⁺	Mg/l	30	100	8.16			
10	Total Alkalinity as CaCO ₃	Mg/l	200	600	82			
11	Chloride as Cl	Mg/l	250	1000	48			
12	Nitrate as NO ₃	Mg/l	45	45	10			
13	Total Dissolved Solids	Mg/l	500	2000	154			
14	Iron	Mg/l	1.0	1.0	0.10			
15	Sulphate as SO ₄	Mg/l	200	400	8.24			
16	Fluoride as F	Mg/l	1.0	1.5	0.30			
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	The Emerald Heights World School			
21	Faecal Coliform	Per 100 ml					

Kishu Sharma



Shamsh

Principal

Manager

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NOTES :- The figure indicated under the column "Requirment (Desirable Limit)" the limits unto which water is generally acceptable to the consumers. Figures in excess of those mentioned under "Requirment (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 alrnet 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 tolerent Coliform Bacteria must not be Detactable 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.

[Signature]

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

[Signature]

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

NO. 1729 //lab/ A.E/ Phe.sub.Division Indore Date 19/12/24

[Signature]

Principal
The Emerald Heights World School

[Signature]



[Signature]

Manager
The Emerald Heights World School