

**DISTRICT LEVEL WATER QUALITY TESTING LABORATORY (DLWQTL)
AURANGABAD**

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE

Name of District: Aurangabad

Sample Collected By: Not Collected by us

Sampling Date: 02.05.2024

Name of Person/Organization: B L
International School

Source of Sample: Boring

Sample 14/Aur/May/2024

Sample Receiving Date: 02.05.2024

Valid up To- 30-05-2025

Location:	B L International School, Siris, Aurangabad
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PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	6.5-8.5	No relaxation	pH meter	7.04
2	Turbidity, NTU, Max	5	10	Nephelometric	1
3	Conductivity, $\mu\text{mho/cm}$	-	-	Conductivity meter	260
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	170
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	124
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	31.19
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	12.01
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	7.62
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	130
10	Iron (as Fe), mg/l, Max.	0.3	1	Phenanthroline	0.29
11	Nitrate (as NO_3), mg/l, Max.	45	No relaxation	UV-method	0.18
12	Sulphate (as SO_4), mg/l, Max.	200	400	Turbidimetric	4.15
13	Fluoride (as F), mg/l, Max.	1	1.5	SPANDS	0.17
14	Arsenic (as As), mg/l, Max.	0.01	0.05	SDDC	BDL
15	Coliform Organisms, MPN/100ml	**	**	H_2S Vials	-ve

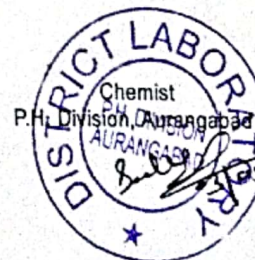
Note:- Fit for Drinking Purpose as Above Parameters.

Note: * (1) Drinking Water Specification First Revision -IS:10500:1991, Edition 2.2 (2003-09) (Reaffirmed 1993). (2) BDL = Below Detection Limit. (3) Testing Methods are taken by APHA 20th Edition. (4) NR = No Relaxation. (5) ND = Not Done.

** (a) Throughout any year, 95% of the samples should not contain coliform organisms in 100ml. (b) No sample should contain more than 10 coliform organisms per 100ml.

(c) Coliform organisms should not be detected in 100ml of any two consecutive samples.

Copy forwarded for information to: (i) Consultant Water Quality Cell, PHED, Govt. of Bihar, (ii) Director, Water Quality Cell, PHED, Govt. of Bihar, (iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar



DISTRICT LEVEL WATER QUALITY TESTING LABORATORY (DLWQTL) AURANGABAD

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST AMOUNT CHARGES

Name of District: Aurangabad

Sample Collected By: Not collected by us

Sampling Date: 02-05-2024

Sample Receiving Date: 02-05-2024

Source of Sample: Boring

Type of Samples	Name of Organisation/Person	Number of Sample	Parameters Tested	Amount
Private	B L International School, Siris, Aurangabad	1	Physico-Chemical and Bacteriological parameters	600

