

DISTRICT LEVEL WATER QUALITY TESTING LABORATORY (DLWQTL) MOTIHARI

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST AMOUNT CHARGES

Name of District: Motihari, East Champaran.

Sample Collected By: Not collected by us

Sampling Date: 01-11-2021

Sample Receiving Date: 01-11-2021

Source of Sample: Boring

Type of Samples	Name of Organisation/Persion	Number of Sample	Parameters Tested	Amount
Private	Jeewan International School Singhiya Hiban Motihari East Champaran	1	Physico-Chemical and Bacteriological parameters	1000



Chemist
P.H. Division, Motihari

**DISTRICT LEVEL WATER QUALITY TESTING LABORATORY (DLWQTL)
E.CHAMPARAN, MOTIHARI.**

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE

Name of District: East Champaran

Sample Collected By: Not Collected by us

Sampling Date: 01.11.2021

Name of Person/Organization: Jeewan
International School

Source of Sample: Boring

Sample13/ Mot/Nov/2021

Sample Receiving Date: 01.11.2021

Valid up To- 30-05-2022

Location:	Jeewan International School Singhiya Hiban Motihari East Champaran.
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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, μ 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	Phenonthroline	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 ₂ S 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)(Reaffirmed1993), (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


 P.H. Division, Motihari