

**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	Name of Person/Organisation	Sample Collected By : Not Collected by us
Sampling Date : 21.03.24	Transcendence International School	Source of Sample: Boring
Sample Code : 462/MOT/MAR/2024		Sample Receiving Date : 21.03.2024
		Valid Up To - 20.03.2025

Location

Transcendence International School, Chakia, E- Champaran, Bihar

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	7.09
2	Turbidity, NTU, Max	1	5	Nephelometric	1.00
3	Conductivity, μ mho/cm	-	-	Conductivity meter	400
4	Total Dissolved Solid, mg/l, Max	500	2000	Conductivity meter	260
5	Total Hardness (as $CaCO_3$), mg/l, Max	300	600	EDTA method	220
6	Calcium (as Ca) mg/l, Max	75	200	EDTA method	56
7	Magnesium (as mg), mg/l, Max	30	100	EDTA method	19.20
8	Chloride (as Cl), mg/l, Max	250	1000	Titration	30
9	Alkalinity (as $CaCO_3$), mg/l, Max	200	600	Titration	240
10	Iron (as Fe), mg/l, Max	1	No relaxation	Phenanthroline	0.3
11	Nitrate (as NO_3), mg/l Max.	45	No relaxation	UV method	0.25
12	Sulphate (as SO_4), mg/l, Max	200	400	Turbidimetric	15
13	Fluoride (as F), mg/l, Max	1	1.5	SPANDS	0.21
14	Arsenic (as As), mg/l, Max.	0.01	No relaxation	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 105CO 1991, Edition 2 (2003-09) (Reformed 1993) (2) BDL= Below Detection Level

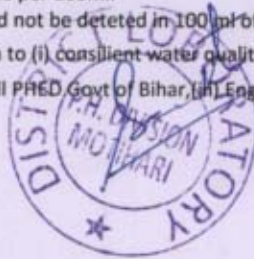
(3) Testing Methods are taken by APHA 20th Edition (4) NR=No Relaxation (5) ND= Not Done.

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

(c) Coliform organisms should not be detected in 100 ml 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.



Assistant Engineer

PH Division, Motihari

**ASSISTANT ENGINEER
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