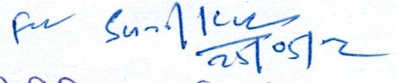


कार्यालय स्वास्थ्य विभाग
तुरकौलिया प्रखंड, पूर्वी चम्पारण
प्रमाण पत्र

___प्रभारी प्रमुख स्वच्छता निरीक्षक के प्रतिवेदन के आधार पर प्रमाणित किया जाता है कि ग्राम: लक्ष्मीपुर, पोस्ट: शंकर सरैया, थाना: तुरकौलिया, जिला पूर्वी चम्पारण स्थित आर्य विद्यापीठ में शुद्ध पेयजल, शौचालय, तथा समुचित सफाई व्यवस्था व्याप्त है।


प्रभारी चिकित्सा पदाधिकारी
सामुदायिक स्वास्थ्य केन्द्र
तुरकौलिया, पूर्वी चम्पारण

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: 19.05.2022

Name of Person/Organization: Arya
Vidyapith

Source of Sample: Boring

Sample 127/Mot/May/2022

Sample Reciving Date: 19.05.2022

Location:	Arya Vidyapith, Balganga, 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	7.06
2	Turbidity, NTU, Max	5	10	Nephelometric	1
3	Conductivity, μ mho/cm	-	-	Conductivity meter	370
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	240
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	204
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	53.18
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	14.06
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	21.93
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	220
10	Iron (as Fe), mg/l, Max.	0.3	1	Phenonthroline	0.23
11	Nitrate (as NO_3), mg/l, Max.	45	No relaxation	UV-method	0.06
12	Sulphate (as SO_4), mg/l, Max.	200	400	Turbidimetric	13.38
13	Fluoride (as F), mg/l, Max.	1	1.5	SPANDS	0.11
14	Arsenic (as As), mg/l, Max.	0.01	0.05	SDDC	BDL
15	Coliform Organisms, MPN/100ml	**	**	H_2S Vials	-ve

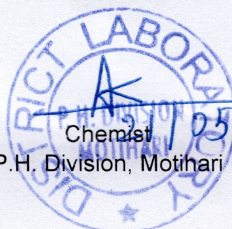
Note:- Fit for Drinking Purpose as Above Parameters.

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


Chemist
P.H. Division, Motihari
19/05/22