

REGIONAL WATER QUALITY TESTING LABORATORY (RWTL) MUZAFFARPUR

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE

Name of District : MUZAFFARPUR

Sampling Date-1.08.2026

Sample Receiving Date in Lab:-1.08.2026

Sample Code: 121 RWTL/Aug/2026

Sample Collected By : Not Collected by us

Source of Sample : Boring

Date of Testing : 03.08.2026

Valid up to- 02.08.2027

Name of Person/Organization/Location:	B.D. World School, NH-28, Near Bairiya Devi Asthan, Motihari, East Champaran 845401
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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	6.88
2	Turbidity, NTU, Max	5	10	Nephelometric	1.00
3	Conductivity, $\mu\text{mho/cm}$	-	-	Conductivity meter	345
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	298
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	180.00
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	56.00
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	20.16
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	32.00
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	190
10	Iron (as Fe), mg/l, Max.	1	No relaxation	Phenanthroline	0.25

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) NIR = 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.

Chemist
RWTL Muzaffarpur
21/08/26
RWTL Muzaffarpur

SAFE DRINKING WATER CERTIFICATE

No. 79

Dated: 21/08/2026

It is certified that an inspection team headed by Satya Prakash Azad (Chemist) (Name of Officers with designation) from P.H.E.D. Investigation Office (Name of Department/ Office) B.D.World School, NH-28, Near Bairiya Devi Asthan, Motihari, East Champaran 845401 (Name & Address of the School) on Opposite Reliance Pump, 03/08/2026 date of inspection), checked the water test report submitted by the school and found that the school has potable drinking water for students and staff of the institution and is having provision for running water in the toilets and maintaining hygienic sanitation condition in the school building & the campus as per norms prescribed by the Central/ State/ U.T. Govt.

The above is valid for a period of One year

Signature with Seal:

Chemist

Name

RWTL Muzaffarpur

Designation:

To
The Principal,
B.D.World School,
NH-28, Near Bairiya Devi Asthan,
Motihari, East Champaran 845401