



REGIONAL WATER QUALITY TESTING LABORATORY (RWTL) MUZAFFARPUR

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE



Name of District : MUZAFFARPUR

Sample Collected By : Not Collected by us.

Sampling Date : 18.05.2026

Source of Sample : Boring

Sample Receiving Date in Lab: 18.05.2026

Date of Testing : 19.05.2026

Sample Code: 09/RWTL/may/2026

Valid up to 18.05.2027

Name of Person/Organization/Location:	SHUSHANT PUBLIC SCHOOL, Nunfara, Piar, Muzaffarpur
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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	6.98
2	Turbidity, NTU, Max	5	10	Nephelometric	1.50
3	Conductivity, $\mu\text{mho/cm}$	-	-	Conductivity meter	705
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	457
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	358.00
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	70.40
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	36.68
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	32.00
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	274
10	Iron (as Fe), mg/l, Max.	1	No relaxation	Phenanthroline	0.15

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.

S.P. Aza
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