

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 : 03.08.2026

Sample Reciving Date in Lab -03.08.2026

Sample Code: 120 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 Persion/Organization/Location:	Adarsh Vidya Mandir, Sikandarpur Main Road, Ward-13, 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	1.00
3	Conductivity, $\mu\text{mho/cm}$	-	-	Conductivity meter	355
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	220
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	140.00
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	32.00
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	8.16
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	24.00
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	124
10	Iron (as Fe), mg/l, Max.	1	No relaxation	Phenonthroline	0.22

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.

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7/8/26
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R.W.T.L; MUZAFFARPUR