

GOVT. OF BIHAR

DISTRICT LEVEL LABORATORY

Public Health Engineering Department

PH. Division, Banka

TEST CERTIFICATE

Name of Source :- Himalayan Academy	Date of Reporting:- 07.09.2024
Location :- Amarpur Road, Kasba, Shambhuganj, Dist-Banka, Pin-813211	Date of Sampling :- 30.08.2024
Sample Collected By :- Sudarshan Yadav	Source of Sample:- Borewell

PHYSICO-CHEMICAL TEST REPORT

Sl.No.	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Result
1	PH Value	6.5-8.5	No relaxation	Electrometric Method	6.9
2	Turbidity, NTU	1.0	5.0	Nephelometric	1.1
3	Conductivity, $\mu\text{mho/cm}$	-	-	Instrumental Method	381
4	Total Dissolved Solid, mg/l	500	2000	Instrumental Method	248
5	Total Hardness(as CaCO_3), mg/l	200	600	EDTA method	141.52
6	Calcium(as Ca), mg/l	75	200	EDTA method	34.49
7	Magnesium(as Mg), mg/l	30	100	EDTA method	17.34
8	Chloride(as Cl), mg/l	250	1000	Titration Method	34.47
9	Alkalinity(as CaCO_3), mg/l	200	600	Titration Method	101.92
10	Iron(as Fe), mg/l	0.3	1.0	Phenanthroline Method	0.28
11	Nitrate(as NO_3), mg/l	45.0	No relaxation	UV-method	2.5
12	Sulphate(as SO_4), mg/l	200	400	Turbidimetric Method	14
13	Fluoride(as F), mg/l	1.0	1.5	ION Method	0.69
14	Bacteriological Test	0.0	0.0	By H ₂ S Strip Vial	Not Found

Note:-(1) * Drinking Water Specification Second Revision -IS:10500:2012

(2) BDL means Below Detection Limit

(3) All the testing parameters methods are taken by APHA 20th Edition


07.09.2024
Chemist
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07/09/24
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