

STATE LEVEL WATER TESTING LABORATORY (SLWTL)
PHED, GOVT. OF BIHAR
CHHAJJUBAGH, PATNA-800001
 Technical Consultancy by - Scientific Research Laboratory
 90, Lake East (4th Road), Santoshpur, Jadavpur, Kolkata-700075

TEST CERTIFICATE

Report No: SRL/PAT/SLWT/DIPS/GW-117/2022	Date of Reporting: 02/11/2022
Name of the Organization: DR MUKTESHWAR SINHA MODESTY SCHOOL	Sample Received on: 05/11/2022
Ref.Memo No: 117/2022 dt. 16/11/2022	Date of Sampling: 05/11/2022
Location: HOSPITAL CHOWK, TAJPUR, SAMASTIPUR	Source of Sample: Drinking Water
Sample Collected By: Collected by SLWTL	

PHYSICO-CHEMICAL 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	7.18
2	Turbidity, NTU, Max	5.0	10.0	Nephelometric	3.25
3	Conductivity, umho/cm	-	-	Conductivity meter	370.00
4	Total Dissolved Solid, mg/l, Max.	500.0	2000.0	Conductivity meter	390.00
5	Total Hardness(as CaCO ₃), mg/l, Max.	300.0	600.0	EDTA method	355.00
6	Calcium(as Ca), mg/l, Max.	75.0	200.0	EDTA method	52.30
7	Magnesium(as Mg), mg/l, Max.	30.0	100.0	EDTA method	18.22
8	Chloride(as Cl), mg/l, Max.	250.0	1000.0	Titration	84.38
9	Alkalinity(as CaCO ₃), mg/l, Max.	200.0	600.0	Titration	172.00
10	Iron(as Fe), mg/l, Max.	1.0	No relaxation	Phenanthroline	0.41
11	Nitrate(as NO ₃), mg/l, Max.	45.0	No relaxation	UV-method	0.73
12	Sulphate(as SO ₄), mg/l, Max.	200.0	400.0	Terbidimetric	9.07
13	Fluoride(as F), mg/l, Max.	1.0	1.5	SPANDS	0.52
14	Arsenic(as As), mg/l, Max.	0.01	No relaxation	AAS	BDL

Note*(i) Drinking Water Specification Second Revision-IS: 10500:2012
 (ii) All the testing parameters methods are taken from APHA 22nd Edition 2012.
 (iii) BDL means Below Detection Limit.

BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Permissible Limit	Method of Testing Parameters	Results
15	Coliform Organisms, MPN/100ml	**	M- Test- Tube Technique	Absent

Note; **shall not be detectable in any 100 ml

Note: This water sample is fit for drinking purpose.

Lab In charge
 SLWTL, PHED
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 Chhajjubagh
 Patna-800001

