

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: PAT/SLWTL/NEHS/DW- 270/23	Date of Reporting: 15.02.2023
Name of the Organisation/Person: LAXMI PUBLIC SCHOOL	Sample Received on: 11.02.2023
Ref.Memo No: 55dt. 11.02.2023	Date of Sampling: 11.02.2023
Location: Laxmi Vihar Bel Road, Obra, Aurangabad, Bihar	Source of Sample: Borewell
Sample Collected By: Not 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	7.50
2	Turbidity, NTU, Max	5.0	10.0	Nephelometric	1.00
3	Conductivity, μ mho/cm	-	-	Conductivity meter	628.00
4	Total Dissolved Solid, mg/l, Max.	500.0	2000.0	Conductivity meter	412.00
5	Total Hardness(as CaCO_3), mg/l, Max	300.0	600.0	EDTA method	286.00
6	Calcium(as Ca), mg/l, Max	75.0	200.0	EDTA method	51.37
7	Magnesium(as Mg), mg/l, Max	30.0	100.0	EDTA method	32.54
8	Chloride(as Cl), mg/l, Max.	250.0	1000.0	Titration	48.69
9	Alkalinity(as CaCO_3), mg/l, Max.	200.0	600.0	Titration	255.00
10	Iron(as Fe), mg/l, Max.	1.0	No relaxation	Phenanthroline	0.37
11	Nitrate(as NO_3), mg/l, Max.	45.0	No relaxation	UV-method	0.96
12	Sulphate(as SO_4), mg/l, Max.	200.0	400.0	Turbidimetric	8.47
13	Fluoride(as F), mg/l, Max.	1.0	1.5	SPANDS	0.24
14	Arsenic(as As), mg/l, Max.	0.01	No relaxation	AAS	BDL

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

(2) BDL means Below Detection Limit

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

BACTERIOLOGICAL TEST REPORT

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

Note: ** Shall not be detectable in any 100 ml sample

NOTE: This water sample is fit for drinking purpose.



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