

STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.:
SLWTL/FRM/02

Issue No.812

Issue Date:
10.05.2023

TEST CERTIFICATE

Report No: SLWT/2023/GW 19812	Date of Reporting: 09.05.2023
Name of the Organisation/Person: REDS GAYANODAYA PUBLIC SCHOOL	Sample Received on: 09.05.2023
Ref.Memo No: SMPS/102 dated 09.05.2023	Date of Sampling: 09.05.2023
Location Details: Pojhi (Near Tula Brahma Sthan), Darni, Parsa, Saran-841219	Source of Sample: Drinking Water
Sample Collected By: SLWTL	Type of Container: Plastic
Type of Sample: Ground Water	Sample Condition: Sealed
Volume of Sample: 1 Ltr	Date of Analysis Completed: 10.05.2023
Mode of Preservation: Preserved	
Date of Analysis Started: 09.05.2023	

PHYSICO-CHEMICAL TEST REPORT

SL No.	Parameters	Minimum Description Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	2.0	6.5-8.5	No relaxation	Ph meter	7.10
2	Turbidity, NTU, Max	4.0	1	10.0	Nephelometric	2.02
3	Conductivity, umho/cm	1.0	-	-	Conductivity meter	358.00
4	Total Dissolved Solid, mg/l, Max.	10.0	500	2000	Conductivity meter	275.00
5	Total Hardness(as CaCO ₃), mg/l, Max.	10.0	300	600	EDTA method	252.00
6	Calcium(as Ca), mg/l, Max.	5.0	75	200	EDTA method	41.33
7	Magnesium(as Mg), mg/l, Max.	2.0	30	100	EDTA method	10.22
8	Chloride(as Cl), mg/l, Max.	5.0	250	1000	Titration	24.42
9	Alkalinity(as CaCO ₃), mg/l, Max.	10.0	200	600	Titration	175.11
10	Iron(as Fe), mg/l, Max.	0.01	1.0	No relaxation	Phenanthroline	0.41
11	Nitrate(as NO ₃), mg/l, Max.	1.0	45	No relaxation	UV-method	0.83
12	Sulphate(as SO ₄), mg/l, Max.	5.0	200	400	Turbidimetric	0.72
13	Fluoride(as F), mg/l, Max.	0.01	1.0	1.5	SPANDS	0.54
14	Arsenic(as As), mg/l, Max.	0.002	0.01	No relaxation	AAS	BDL

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

(ii)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

(Shubhankar kumar Biswas)

Signature of Lab-In-Charge

SLWTL, PHED
Patna

