

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/PS/SP-21/25	Date of Reporting: 11.03.2025
Name of Organisation/Person: Bradford International School	Sample Received On: 27.02.2025
Ref. Memo No: BIS/PHED/2024-25/1/2702 DT. 27.02.2025	Date of Sampling: 27.02.2025
Location: KarmaliChak, Patna City, Bye Pass Road, Patna-800009	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	Results
1	pH Value	6.5 - 8.5	No relaxation	pH Meter	7.12
2	Turbidity (NTU, Max)	5	10	Nephelometric	1
3	Conductivity ($\mu\text{mho/cm}$)	-	-	Conductivity Meter	501
4	Total Dissolved Solids (mg/l, Max)	500	2000	Conductivity Meter	365
5	Total Hardness (as CaCO_3) (mg/l, Max)	300	600	EDTA Method	247
6	Calcium (as Ca) (mg/l, Max)	75	200	EDTA Method	38.12
7	Magnesium (as Mg) (mg/l, Max)	30	100	EDTA Method	20.45
8	Chloride (as Cl) (mg/l, Max)	250	1000	Titration	57.16
9	Alkalinity (as CaCO_3) (mg/l, Max)	200	600	Titration	218.19
10	Iron (as Fe) (mg/l, Max)	0.3	No relaxation	Phenonthroline	0.22
11	Nitrate (as NO_3) (mg/l, Max)	45	No relaxation	UV Method	1.37
12	Sulphate (as SO_4) (mg/l, Max)	200	400	Turbidimetric	6.17
13	Fluoride (as F) (mg/l, Max)	1	1.5	SPANDS	0.31
14	Arsenic (as As) (mg/l, Max)	0.01	0.05	AAS	BDL

Notes:

1. Drinking Water Specification First Revision - IS: 10500:2012
2. **BDL** means **Below Detection Limit**
3. All testing methods are based on APHA 20th Edition

BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Permissible Limit	Method of Testing	Results
1	Coliform Organisms (MPN/100ml)	Should not be detected in 100ml	M-Test Tube Technique	<1.1
Notes: (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				

NOTE: This water sample is fit for drinking purposes.

Prepared by: Scientific Research Laboratory



**STATE LEVEL WATER TESTING LABORATORY Public Health Engineering
Department, Govt. of Bihar
Chajjubagh, Patna - 800 001**

Ref No. PHE/SLWTL/SP/1/19

Date.04.01.2025

Sanitary Certificate

I hereby declare that our Team Headed by Dr. A. Upadhyay, Visited the **Bradford International School, KarmaliChak, Patna City, Bye Pass Road, Patna-800009** on 04.01.2025 The Team Observed the School campus and the surrounding as well as Toilets are neat and clean. There is sufficient amount of Drinking water available.

The quality of water and sanitation is good.

The above valid for a period of one (01) year.

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Signature with Seal



Technical Consultancy by - Scientific Research Laboratory
90, Lake East (4th Road), Santoshpur, Jadavpur, Kolkata-700 075

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated:

It is certified that an inspection team headed by Aslok Kumar, Asst. Eng.

(Name of Officers with designation) from Health Dept. PHED

inspected the Bradford international school, Patna-09

(Name & Address of the school) on 03/05/2024 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. PAT/SWTL/PS/SP-21/25 dated 11.03.2025

of Scientific Research Laboratory (PHED Lab) certified that the

Bradford international school (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the

hygienic sanitation condition in the school building & the campus as per norms prescribed by the

Central/ State/ U.T. Govt.

This certificate is valid till 10.03.2026

Signature with Seal: Aslok Kumar

Name : सहायक अभियंता

Designation : लोक स्वास्थ्य विभाग प्रथम तल

Name & Address of the Office / Department : निकास भवन, लोक, पटना (बिहार) 800001

To Bradford international school, Patna (Bihar)
(Name & Address of the Institution)

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies