



भारत सरकार
Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)

ब्लॉक - सी पी, सेक्टर - 5, साल्ट लेक सिटी, कोलकाता - 700 091
Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091



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TEST CERTIFICATE

INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र नं

Test Certificate No

NTH(ER)/CH(S)/2021/00325A

जारी होने की तिथि

Date of Issue

24/08/2021

कोड नं

Code No

1630408585012

पृष्ठ

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Address

NORTH POINT SENIOR SECONDARY BOARDING SCHOOL

Arjunpur Branch, Tegharla, Near Bagulati Police Station,
Kolkata-700059

ग्राहक का संदर्भ सं एवं दिनांक

Customer's Ref. No.

NPS/ARJ/External/WHS/2021/119

Date: 31/08/2021

पंजिका सं एवं दिनांक

Register No & Date

00325/NTH(ER)/CH(S)/01/09/2021

परीक्षण सामग्री का विवरण

Description of Test Item

Drinking Water.

परीक्षण सामग्री का पहचान

Identification of Test Item

Sample received in a jar labeled as "ARJUNPUR SCHOOL".

नमूना का विशिष्टि (यदि हो)

Product Specification (if any)

Nil

नमूना प्राप्ति की तिथि

Date of Receipt of the Test Item

31/08/2021

कार्य सम्पादन की तिथि

Date(s) of Performance of Tests

From: 01/09/2021

To: 24/09/2021

व्यावहृत प्रणाली का पहचान

Method(s) used for Test

As per Annexure -1.

नमूना प्रक्रिया वही प्रासंगिक हों

Sampling Procedure where relevant

NA

Tested By

Debanjana Mukherjee

Debanjana Mukherjee

Principal SO (Chemical)

North Point Senior Secondary Boarding School

Gorakshabasi Mandir Complex

Arjunpur, Kolkata - 700 059

Affiliated with C.B.S.E.

Checked By

Dr. Amarnath Chakraborty

Dr. Amarnath Chakraborty

Scientist- B (Chemical)

Approved By

Dr. S. N. Bandyopadhyay

Dr. S. N. Bandyopadhyay

Scientist- C (Chemical)

Secretary

North Point Senior Secondary Boarding School

Gorakshabasi Mandir Complex

Arjunpur, Kolkata 700059

Baha

MANU SAHA

Principal

North Point Senior Secondary Boarding School

Gorakshabasi Mandir Complex

Arjunpur, Kolkata-700059

Affiliated with C.B.S.E.



भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
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FORM NO : NTH/SLF/15



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परीक्षा प्रमाण पत्र जारी होने की तिथि कोड नं पृष्ठ पृष्ठों की संख्या
Test Certificate No Date of Issue Code No Page No of Pages
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Sl. No.	Test Name	Test Result	Limit
1	Chemical Requirements	Vide Annexure-1.	

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Note

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कैफियत
Remarks

In respect of the tests carried out, the sample meets the chemical requirements of IS 10500:2012 for Drinking Water for the parameters except Total Dissolved Solids, Calcium, Total Alkalinity and Total Hardness; which meets the requirements for absence of other sources of drinking water.

Saha

MAHUA SAHA

Principal
North Point Senior Secondary Boarding School
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Arjunpur, Kolkata-700059
Affiliated with C.B.S.E

(Signature)

(AMIT SETHI MAHAPADA)

Manager
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Nangalpetta, Kharabari Road, Kolkata-700135

Tested By

(Signature)

Debanjana Mukherjee

Secretary, Boarding School

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Checked By

(Signature)

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Scientist- B (Chemical)

Approved By

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Principal

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ANNEXURE A

Test results of Drinking water on the lines of IS 10500:2012

Table 1 Organoleptic and Physical Parameters

Sl. No.	Characteristic	Observed Value	Requirement (Acceptable Limit), Max	Permissible Limit in the Absence of Alternate Source, Max	Method of Test, Ref to
1.	Appearance	Clear, colourless liquid	-	-	-
2.	Colour, Hazen units	Recorded nearest to 1	5	15	IS 3025 (Part 4)
3.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
4.	pH at 23.8°C	6.61	6.5-8.5	No relaxation	IS 3025 (Part 11)
5.	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7 & 8)
6.	Turbidity, NTU	0.1	1	5	IS 3025 (Part 10)
7.	Total dissolved solids, mg/l	596	500	2000	IS 3025 (Part 16)

Table 2 General Parameters Concerning Substances Undesirable in Excessive Amounts

Sl. No.	Characteristic	Observed Value	Requirement (Acceptable Limit), Max	Permissible Limit in the Absence of Alternate Source, Max	Method of Test, Ref to
1.	Aluminium (as Al), mg/l	< 0.01	0.03	0.2	IS 3025 (Part 55)
2.	Ammonia (as total ammonia-N), mg/l	< 0.1	0.5	No relaxation	IS 3025 (Part 34)
3.	Anionic detergents (as MBAS), mg/l	< 0.1	0.2	1.0	Annex K of 13428
4.	Barium (as Ba) mg/l	0.6	0.7	No relaxation	Annex F of 13428

Tested By

Checked By

Approved By

Debanjana Mukherjee
 SO (Chemical)

Dr. Amarnath Chakraborty
 Scientist-B (Chemical)

Dr. S. N. Bandyopadhyay
 Scientist-C (Chemical)

Baba MAHUA SAHA
 Principal

North Point Senior Secondary Boarding School
 Gorakhabasi Mandir Complex
 Arjunpur, Kolkata - 700059

Manish Chatterjee
 North Point Senior Secondary Boarding School
 Gorakhabasi Mandir Complex
 Arjunpur, Kolkata - 700 059
 Affiliated with C.B.S.E.

North Point Senior Secondary Boarding School
 Gorakhabasi Mandir Complex
 Arjunpur, Kolkata-700059
 Affiliated with C.B.S.E.
 MANISH CHATTERJEE
 Manager

North Point Senior Secondary Boarding School
 (Affiliated to C.B.S.E., New Delhi)



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Sl. No.	Characteristic	Observed Value	Requirement (Acceptable Limit), Max	Permissible Limit in the Absence of Alternate Source, Max	Method of Test. Ref to
5.	Boron (as B), mg/l	0.5	0.5	2.4	IS 3025 (Part 57)
6.	Calcium (as Ca), mg/l	110.0	75	200	IS 3025 (Part 40)
7.	Chloride (as Cl), mg/l	100.4	250	1000	IS 3025 (Part 32)
8.	Copper (as Cu), mg/l	< 0.01	0.05	1.5	IS 3025 (Part 42)
9.	Fluoride (as F), mg/l	< 0.01	1.0	1.5	IS 3025 (Part 60)
10.	Free residual chlorine, mg/l	< 0.01	0.2	1	IS 3025 (Part 26)
11.	Iron (as Fe), mg/l	0.2	1.0	No relaxation	IS 3025 (Part 53)
12.	Magnesium (as Mg), mg/l	22.3	30	100	IS 3025 (Part 46)
13.	Manganese (as Mn), mg/l	0.01	0.1	0.3	IS 3025 (Part 59)
14.	Mineral oil, mg/l	Absent	0.5	No relaxation	IS 3025 (Part 39)
15.	Nitrate (as NO ₃), mg/l	0.5	45	No relaxation	IS 3025 (Part 34)
16.	Phenolic compounds (as C ₆ H ₅ OH), mg/l	0.002	0.001	0.002	IS 3025 (Part 43)
17.	Selenium (as Se), mg/l	< 0.005	0.01	No relaxation	IS 3025 (Part 56)
18.	Silver (as Ag), mg/l	< 0.005	0.1	No relaxation	Annex J of 13428
19.	Sulphate (as SO ₄), mg/l	3.6	200	400	IS 3025 (Part 24)
20.	Sulphide (as H ₂ S), mg/l	< 0.01	0.05	No relaxation	IS 3025 (Part 29)
21.	Total alkalinity as calcium carbonate, mg/l	381.9	200	600	IS 3025 (Part 23)
22.	Total hardness (as CaCO ₃), mg/l	366.8	200	600	IS 3025 (Part 21)

Tested By

Debanjana Mukherjee

Debanjana Mukherjee
SO (Chemical)

Checked By

Dr. Amarnath Chakraborty

Dr. Amarnath Chakraborty
Scientist-B (Chemical)

Approved By

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Dr. S. N. Bandyopadhyay
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Manish Chakraborty
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Sl. No.	Characteristic	Observed Value	Requirement (Acceptable Limit), Max	Permissible Limit in the Absence of Alternate Source, Max	Method of Test, Ref to
23.	Zinc (as Zn), mg/l	1.9	5	15	IS 3025 (Part 49)

Table 3: Parameters Concerning Toxic Substances

Sl. No.	Characteristic	Observed Value	Requirement (Acceptable Limit), Max	Permissible Limit in the Absence of Alternate Source, Max	Method of Test, Ref to
1.	Cadmium (as Cd), mg/l	0.002	0.003	No relaxation	IS 3025 (Part 41)
2.	Cyanide (as CN), mg/l	Absent	0.05	No relaxation	IS 3025 (Part 27)
3.	Lead (as Pb), mg/l	0.01	0.01	No relaxation	IS 3025 (Part 47)
4.	Mercury (as Hg), mg/l	< 0.001	0.001	No relaxation	IS 3025 (Part 48)
5.	Molybdenum (as Mo), mg/l	< 0.01	0.07	No relaxation	AAS
6.	Nickel (as Ni), mg/l	< 0.01	0.02	No relaxation	IS 3025 (Part 54)
7.	Total arsenic (as As), mg/l	< 0.005	0.01	No relaxation	IS 3025 (Part 37)
8.	Total chromium (as Cr), mg/l	0.01	0.05	No relaxation	IS 3025 (Part 52)

Gaha

MAHUA SAHA
Principal

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Arjunpur, Kolkata-700059
Affiliated with C.B.S.E

Tested By

Debanjana Mukherjee
Debanjana Mukherjee
SO (Chemical)

Debanjana Mukherjee

Checked By

Dr. Amarnath Chakraborty
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MANISH CHATTERJEE
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Approved By

Dr. S. N. Bandyopadhyay
Dr. S. N. Bandyopadhyay
Scintist-C (Chemical)



सत्यमेव जयते

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Arjunpur Branch, Tegharla, Near Bagulati Police Station,
Kolkata-700059

ग्राहक का संदर्भ सं एवं दिनांक

Customer's Ref. No.

NPS/ARJ/External/WHS/2021/119

Date: 31/08/2021

पंजिका सं एवं दिनांक

Register No & Date

00325/NTH(ER)/CH(S)/01/09/2021

परीक्षण सामग्री का विवरण

Description of Test Item

Drinking Water.

परीक्षण सामग्री का पहचान

Identification of Test Item

Sample received in a sealed poly jar marked as "ARJUNPUR
SCHOOL".

नमूना का विनिर्दिष्टि (यदि हो)

Product Specification (if any)

Nil

नमूना प्राप्ति की तिथि

Date of Receipt of the Test Item

31/08/2021

कार्य सम्पादन की तिथि

Date(s) of Performance of Tests

From: 01/09/2021

To: 14/09/2021

व्यावहृत प्रणाली का पहचान

Method(s) used for Test

On the lines of IS 10500:2012..

NA.

नमूना प्रक्रिया जहाँ प्रासंगिक हो

Sampling Procedure where relevant

Tested By

Anirban Bhattacharya
Anirban Bhattacharya

Checked By

Dr. Amarnath Chakraborty
Scientist- B (Chemical)

Approved By

Dr. S. N. Bandyopadhyay
Scientist- C (Chemical)

Secretary
North Point Senior Secondary Boarding School
Gorakhabasi Mandir Complex

Principal

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Baba MAHUA SAHA

Manager
North Point Senior Secondary Boarding School
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Nangalpota, Kharibari Road, Kolkata-700135

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(S) 6C-

भारत सरकार
Government of India

FORM NO : NTH/SLIF/5

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
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Sl. No.	Test Name	Test Result	Limit
1	a) Most Probable Number (MPN) /100 ml. of Sample	2.	Not more than 10 in 100 ml of sample
2	b) E. coli /100 ml. of Sample	Absent.	Should be absent

टिप्पणी
Note

Nil

टिप्पणी
Remarks

In respect of the tests carried out, the sample meets the microbiological requirements of IS 10500:2012 for Drinking Water.

AMIT SETHI (Manager)

Manager

North-Point Senior Secondary Boarding School
(Affiliated to C.B.S.E, New Delhi)
Nangalpota, Kharibari Road, Kolkata-700135

Baha MAHUA SAHA

Principal
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Affiliated with C.B.S.E

Tested By

Anirban Bhattacharya

Anirban Bhattacharya

Checked By

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