



# R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS  
(AN ISO 9001:2015 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR  
9, BENTINCK STREET, KOLKATA - 700 001  
Ph. : 2248-3661/2698/7803, 2262-4153/4154, Fax : 33 2248-0447  
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com  
CIN : U51109WB1931PTC007007



## TEST REPORT

ULR NO. TC781519000019249F

No. W(D)/19-20/2251

Date : November 02, 2019

Page 1 of 2

Issued to : M/S, BIRLA HIGH SCHOOL  
1, Moira Street, Kolkata - 700017  
Your Ref No. : Order No. 40/BHS/19-20 Date 26.10.2019  
Sample Description : Drinking Water/Potable Water  
Collection Source : Ground Floor Cooler Water near Conference Room  
(Senior Section), Time: 3.53pm

Sample Drawn by us On : 30.10.2019  
Test Completed on : 31.10.2019

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

Method of Sampling : IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987  
Mode of Sampling : Grab

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

### Remarks on Microbiological Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

**Dr. S. Koruri**  
Authorized Signatory  
(I/C Microbiological Dept.)

NCB

- ★ The test report shall not be reproduced, except in full, without written approval of the Company.
- ★ Results relate only to the parameters tested.





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CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. TC-7815

## TEST REPORT

ULR NO. TC781519000019249F

No. W(D)/19-20/2251

Date : November 02, 2019

Page 2 of 2

Issued to

: M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No.

: Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description

: Drinking Water/Potable Water

Collection Source

: Ground Floor Cooler Water near  
Conference Room (Senior Section),

Time: 3.53pm

Sample Drawn by us On

: 30.10.2019

Test Completed on

: 01.11.2019

Method of Sampling

: IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling

: Grab

Parameters Tested:

Physical : Colour, Appearance & Odour

Chemical Parameters

Turbidity, pH, Total Dissolved Solids,

Alkalinity, Silica, Iron, Calcium, Magnesium,

Sulphate, Chloride, Nitrate, Total Hardness

### Physical Test Findings :

1. Colour - Colourless

2. Appearance - Clear

3. Odour - Agreeable

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	---	6.5	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	46	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	28	200 Max.	600 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	< 5	---	---
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	1	75 Max.	200 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	< 1	30 Max.	100 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	< 5	200 Max.	400 Max.
10	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	18	250 Max.	1000 Max.
11	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	< 1	45 Max.	No Relaxation
12	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	6	200 Max.	600 Max.
	a) Temporary Hardness	---	mg/l	6	---	---
	b) Permanent Hardness	---	mg/l	Nil	---	---

### Remarks on Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters

Remarks on Test Report in respect of Microbiological & Chemical Test : The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

J. Mukherjee  
Quality Manager  
Authorized Signatory  
For R.V. BRIGGS & CO. PRIVATE LTD.

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CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. TC-7815

## TEST REPORT

ULR NO. TC781519000019250F

No. W(D)/19-20/2252

Date : November 02, 2019

Page 1 of 2

Issued to : M/S, BIRLA HIGH SCHOOL  
1, Moira Street, Kolkata - 700017

Your Ref No. : Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description : Drinking Water/Potable Water

Collection Source : 2nd Floor Cooler Water from Tap  
(Senior Section), Time: 4.00pm

Sample Drawn by us On : 30.10.2019

Test Completed on : 31.10.2019

Method of Sampling : IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling : Grab

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

### Remarks on Microbiological Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri

Authorized Signatory  
(I/C Microbiological Dept.)

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ULR NO. TC781519000019250F

## TEST REPORT

No. W(D)/19-20/2252

Date: November 02, 2019

Page 2 of 2

Issued to

M/S, BIRLA HIGH SCHOOL

Your Ref No.

1, Moira Street, Kolkata - 700017

Sample Description

Order No. 40/BHS/19-20 Date 26.10.2019

Collection Source

Drinking Water/Potable Water  
2nd Floor Cooler Water from Tap  
(Senior Section),

Time: 4.00pm

Sample Drawn by us On

30.10.2019

Test Completed on

01.11.2019

Method of Sampling

IS: 1622:1981 & IS: 3025 (Part - 1) 1987

Mode of Sampling

Grab

### Parameters Tested:

Physical: Colour, Appearance & Odour

Chemical Parameters

Turbidity, pH, Total Dissolved Solids,  
Alkalinity, Silica, Iron, Calcium, Magnesium,  
Sulphate, Chloride, Nitrate, Total Hardness

### Physical Test Findings:

1. Colour - Colourless

2. Appearance - Clear

3. Odour - Agreeable

### Chemical Test Findings:

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	---	7.8	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	680	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	463	200 Max.	600 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	17.1	---	---
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	87	75 Max.	200 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	39	30 Max.	100 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	11.0	200 Max.	400 Max.
10	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	176	250 Max.	1000 Max.
11	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	2.90	45 Max.	No Relaxation
12	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	378	200 Max.	600 Max.
	a) Temporary Hardness	---	mg/l	378	---	---
	b) Permanent Hardness	---	mg/l	Nil	---	---

Minimum detection limit: (i) Iron: 0.1mg/l

### Remarks on Test Report:

- The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters
- Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit

**Remarks on Test Report in respect of Microbiological & Chemical Test:** The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

  
J. Mukherjee  
Quality Manager

Authorized Signatory

For R.V. BRIGGS & CO. PRIVATE LTD.

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CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. TC-7815

## TEST REPORT

ULR NO. TC781519000019251F

No. W(D)/19-20/2253

Date : November 02, 2019

Page 1 of 2

Issued to : M/S, BIRLA HIGH SCHOOL  
1, Moira Street, Kolkata - 700017  
Your Ref No. : Order No. 40/BHS/19-20 Date 26.10.2019  
Sample Description : Drinking Water/Potable Water  
Collection Source : 3rd Floor (Geo Block) Cooler Water Cooler Machine  
(Senior Section), Time: 4.10pm  
Sample Drawn by us On : 30.10.2019  
Test Completed on : 31.10.2019  
Method of Sampling : IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987  
Mode of Sampling : Grab

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

### Remarks on Microbiological Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri

Authorized Signatory  
(I/C Microbiological Dept.)

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CIN : U51109WB1931PTC007007

## TEST REPORT

ULR NO. TC781519000019251F

No. W(D)/19-20/2253

Date : November 02, 2019

Issued to

: M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No.

: Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description

: Drinking Water/Potable Water

Collection Source

: 3rd Floor (Geo Block) Cooler Water

Cooler Machine (Senior Section),

Time: 4.10pm

Sample Drawn by us On

: 30.10.2019

Test Completed on

: 01.11.2019

Method of Sampling

: IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling

: Grab

Parameters Tested:

Physical : Colour, Appearance

Chemical Parameters

Turbidity, pH, Total Dissolve

Alkalinity, Silica, Iron, Calci

Sulphate, Chloride, Nitrate,

### Physical Test Findings :

1. Colour - Colourless

2. Appearance - Clear

3. Odour -

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norm
					IS: 10500, 2012 Acceptable Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	---	7.6	6.5 - 8.5
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	670	500 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	463	200 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	16.0	---
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	66	75 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	45	30 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	12.0	200 Max.
10	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	172	250 Max.
11	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	3.50	45 Max.
12	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	349	200 Max.
	a) Temporary Hardness	---	mg/l	349	---
	b) Permanent Hardness	---	mg/l	Nil	---

Minimum detection limit : (i) Iron : 0.1mg/l

### Remarks on Test Report :

- The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & IS: 3025, 2012 (Part-1) for drinking purpose, in respect of the above mentioned parameters
- Total Dissolved Solids, Alkalinity, Magnesium & Total Hardness are beyond the acceptable limit within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test : The Water sample is not fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

  
J. Mukherjee

Quality Manager

Authorized Signatory

For R.V. BRIGGS & CO.

NCB

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CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. TC-7815

## TEST REPORT

ULR NO. TC781519000019246F

No. W(D)/19-20/2248

Date : November 02, 2019

Page 1 of 2

Issued to

: M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No.

: Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description

: Drinking Water/Potable Water

Collection Source

: 3rd Floor Science Block Cooler Water from Tap

✓ (Senior Section), Time: 3.28pm

Sample Drawn by us On

: 30.10.2019

Test Completed on

: 31.10.2019

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

Method of Sampling

: IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling

: Grab

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

### Remarks on Microbiological Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri

Authorized Signatory

(I/C Microbiological Dept.)





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CIN : U51109WB1931PTC007007



## TEST REPORT

ULR NO. TC781519000019246F

No. W(D)/19-20/2248

Date : November 02, 2019

Page 2 of 2

Issued to

: M/S, BIRLA HIGH SCHOOL  
1, Moira Street, Kolkata - 700017

Your Ref No.

: Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description

: Drinking Water/Potable Water

Collection Source

: 3rd Floor Science Block Cooler  
✓ Water from Tap (Senior Section),  
Time: 3.28pm

### Parameters Tested:

Physical : Colour, Appearance & Odour

### Chemical Parameters

Turbidity, pH, Total Dissolved Solids,  
Alkalinity, Silica, Iron, Calcium, Magnesium,  
Sulphate, Chloride, Nitrate, Total Hardness

Sample Drawn by us On

: 30.10.2019

Test Completed on

: 01.11.2019

Method of Sampling

: IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling

: Grab

### Physical Test Findings :

1. Colour - Colourless

2. Appearance - Clear

3. Odour - Agreeable

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	---	7.5	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	644	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	440	200 Max.	600 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	15.3	---	---
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	85	75 Max.	200 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	50	30 Max.	100 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	8.1	200 Max.	400 Max.
10	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	146	250 Max.	1000 Max.
11	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	2.70	45 Max.	No Relaxation
12	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	418	200 Max.	600 Max.
	a) Temporary Hardness	---	mg/l	418	---	---
	b) Permanent Hardness	---	mg/l	Nil	---	---

Minimum detection limit : (i) Iron : 0.1mg/l

### Remarks on Test Report :

- The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters
- Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit

**Remarks on Test Report in respect of Microbiological & Chemical Test :** The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

  
J. Mukherjee

Quality Manager  
Authorized Signatory

For R.V. BRIGGS & CO. PRIVATE LTD.

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CIN : U51109WB1931PTC007007



NABL ACCREDITED  
LABORATORY  
Certificate No. TC-7815

## TEST REPORT

ULR NO. TC781519000019252F

No. W(D)/19-20/2254 Date : November 02, 2019 Page 1 of 2

Issued to : M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No. : Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description : Drinking Water/Potable Water

Collection Source : 4th Floor (Commerce Block) Cooler Water  
(Senior Section), Time: 4.18pm

Sample Drawn by us On : 30.10.2019

Test Completed on : 31.10.2019

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

Method of Sampling : IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling : Grab

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

### Remarks on Microbiological Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri

Authorized Signatory

(I/C Microbiological Dept.)





# R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 CERTIFIED COMPANY)

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NABL ACCREDITED  
LABORATORY  
Certificate No. TC-7815

## TEST REPORT

ULR NO. TC781519000019252F

No. W(D)/19-20/2254

Date : November 02, 2019

Page 2 of 2

Issued to

: M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No.

: Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description

: Drinking Water/Potable Water

Collection Source

: 4th Floor (Commerce Block) Cooler  
Water (Senior Section),

Time: 4.18pm

Sample Drawn by us On

: 30.10.2019

Test Completed on

: 01.11.2019

Method of Sampling

: IS : 1622 : 1981 & IS : 3025 (Part - 1) 1987

Mode of Sampling

: Grab

### Parameters Tested:

Physical : Colour, Appearance & Odour

Chemical Parameters

Turbidity, pH, Total Dissolved Solids,  
Alkalinity, Silica, Iron, Calcium, Magnesium,  
Sulphate, Chloride, Nitrate, Total Hardness

### Physical Test Findings :

1. Colour - Colourless

2. Appearance - Clear

3. Odour - Agreeable

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	---	7.5	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	674	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	447	200 Max.	600 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	14.2	---	---
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	90	75 Max.	200 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	39	30 Max.	100 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	13.0	200 Max.	400 Max.
10	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	154	250 Max.	1000 Max.
11	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	3.34	45 Max.	No Relaxation
12	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	386	200 Max.	600 Max.
	a) Temporary Hardness	---	mg/l	386	---	---
	b) Permanent Hardness	---	mg/l	Nil	---	---

Minimum detection limit : (i) Iron : 0.1mg/l

### Remarks on Test Report :

- The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters
- Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test : The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

J. Mukherjee

Quality Manager

Authorized Signatory

For R.V. BRIGGS & CO. PRIVATE LTD.

- \* The test report shall not be reproduced, except in full, without written approval of the Company.
- \* Results relate only to the parameters tested.

NCB