



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

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007



TC-7815

## TEST REPORT

ULR NO. TC781523100000729F

No. W(S)/22-23/1921

Date : February 08, 2023 .

Page 1 of 2

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,

Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

Your Ref.

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9070 dtd. 03.02.2023

Sample Description

: Drinking Water

Mark on Sample

: Treated Water

Sample Submitted on

: 03.02.2023

Test Completed on

: 04.02.2023

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

### Microbiological Test Report :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent
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 :

( Pijush Kanti Dutta )  
Sr. Microbiologist  
Authorized Signatory



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TC-7815

## TEST REPORT

ULR NO. TC781523100000729F

No. W(S)/22-23/1921

Date : February 08, 2023

Page 2 of 2

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,  
Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

Your Ref.

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9070 dtd. 03.02.2023

Sample Description

: Drinking Water

Mark on Sample

: Treated Water

Sample Submitted on

: 03.02.2023

Test Completed on

: 07.02.2023

### Parameters Tested:

#### Chemical Parameters

Turbidity, TDS, Alkalinity, Iron, Chloride,

Nitrate, Arsenic, pH, Fluoride, Total Chromium

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984	NTU	<1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1984	---	7.1	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	178	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986	mg/l	93.8	200 Max.	600 Max.
5	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
6	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	20.2	250 Max.	1000 Max.
7	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	12.6	45 Max.	No Relaxation
8	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	0.002	0.01 Max.	No Relaxation
9	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation
10	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	0.51	1 Max.	1.5 Max.

### Minimum detection limit :

(i) Iron : 0.1mg/l (ii) Total Chromium : 0.05mg/l

### Remarks on Chemical 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

  
Report Verified by  
(J. DAS)

: END OF TEST REPORT :

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



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CIN : U51109WB1931PTC007007



TC-7815

## TEST REPORT

ULR NO. TC781523100000836F

No. W(S)/22-23/1950

Date : February 13, 2023

Page 1 of 2

Issued to : M/S. VATECH WABAG LTD.  
104 MLD Water Treatment Plant, Bhatpara Municipality,  
Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125  
Your Ref. : Sample Order Receipt No. RVB/FM/50 Sl. No. 9084 dtd. 07.02.2023  
Sample Description : Drinking Water  
Mark on Sample : Treated Water  
Sample Submitted on : 08.02.2023  
Test Completed on : 09.02.2023

**Parameters Tested:**

**Microbiological :**

1) Coliform Organism (2) E.Coli

**Microbiological Test Report :**

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent
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 :**

  
( Pijush Kanti Dutta )  
Sr. Microbiologist  
Authorized Signatory

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TC-7815

## TEST REPORT

ULR NO. TC781523100000836F

No. W(S)/22-23/1950

Date : February 13, 2023

Page 2 of 2

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,  
Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

Your Ref.

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9084 dtd. 07.02.2023

Sample Description

: Drinking Water

Mark on Sample

: Treated Water

Sample Submitted on

: 08.02.2023

Test Completed on

: 11.02.2023

### Parameters Tested:

#### Chemical Parameters

Turbidity, TDS, Alkalinity, Iron, Chloride,

Nitrate, Arsenic, pH, Fluoride, Total Chromium

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
1	pH value	IS: 3025 (Part-11): 1984	---	7.3	6.5 - 8.5	No Relaxation
2	Turbidity	IS: 3025 (Part-10): 1984	NTU	<1	1.0 Max.	5.0 Max.
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	268	500 Max.	2000 Max.
4	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	34	250 Max.	1000 Max.
5	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	0.20	1 Max.	1.5 Max.
6	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
7	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	14.7	45 Max.	No Relaxation
8	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986	mg/l	135	200 Max.	600 Max.
9	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	< 0.002	0.01 Max.	No Relaxation
10	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation

### Minimum detection limit :

(i) Iron : 0.1mg/l (ii) Total Arsenic : 0.002mg/l (iii) Total Chromium : 0.05mg/l

### Remarks on Chemical 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 :

  
Report Verified by  
(J. DAS)

SS

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

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CIN : U51109WB1931PTC007007



## TEST REPORT

ULR NO. TC781523100001438F

No. W(S)/22-23/2106

Date : March 09, 2023

Page 1 of 2

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,  
Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

Your Ref.

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9189 dtd. 03.03.2023

Sample Description

: Drinking Water

Mark on Sample

: Treated Water

Sample Submitted on

: 03.03.2023

Test Completed on

: 04.03.2023

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

### Microbiological Test Report :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent
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 :

Pijush Kanti Dutta  
Sr. Microbiologist  
Authorized Signatory



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CIN : U51109WB1931PTC007007



TC-7815

## TEST REPORT

ULR NO. TC781523100001438F

Date : March 09, 2023

Page 2 of 2

No. W(S)/22-23/2106

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,  
Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9189 dtd. 03.03.2023

Your Ref.

Sample Description

Mark on Sample

Sample Submitted on

Test Completed on

: Drinking Water

: Treated Water

: 03.03.2023

: 08.03.2023

Parameters Tested:

Chemical Parameters

Turbidity, TDS, Alkalinity, Iron, Chloride,

Nitrate, Arsenic, pH, Fluoride, Total Chromium

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
1	pH value	IS: 3025 (Part-11): 1984	---	7.7	6.5 - 8.5	No Relaxation
2	Turbidity	IS: 3025 (Part-10): 1984	NTU	<1	1.0 Max.	5.0 Max.
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	296	500 Max.	2000 Max.
4	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	37	250 Max.	1000 Max.
5	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	0.35	1 Max.	1.5 Max.
6	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
7	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	10.8	45 Max.	No Relaxation
8	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986	mg/l	139	200 Max.	600 Max.
9	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	0.003	0.01 Max.	No Relaxation
10	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation

### Minimum detection limit :

(i) Iron : 0.1mg/l (ii) Total Chromium : 0.05mg/l.

### Remarks on Chemical 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 :

SS

  
Report Verified by  
(J. DAS)

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

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CIN : U51109WB1931PTC007007



## TEST REPORT

ULR NO. TC781523100002203F

No. W(S)/23-24/18

Date : April 12, 2023

Page 1 of 2

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,

Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

Your Ref.

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9341 dtd. 04.04.2023

Sample Description

: Drinking Water

Mark on Sample

: Treated Water

Sample Submitted on

: 04.04.2023

Test Completed on

: 05.04.2023

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

### Microbiological Test Report :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent
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 :

( Pijush Kanti Dutta )  
Sr. Microbiologist  
Authorized Signatory



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TC-7815

## TEST REPORT

ULR NO. TC781523100002203F

No. W(S)/23-24/18

Date : April 12, 2023

Page 2 of 2

Issued to

: M/S. VATECH WABAG LTD.

104 MLD Water Treatment Plant, Bhatpara Municipality,  
Jagaddal, P.O. Golghar, Dist. 24 Pgs. (N) -743125

Your Ref.

: Sample Order Receipt No. RVB/FM/50 Sl. No. 9341 dtd. 04.04.2023

Sample Description

: Drinking Water

Mark on Sample

: Treated Water

Sample Submitted on

: 04.04.2023

Test Completed on

: 11.04.2023

### Parameters Tested:

#### Chemical Parameters

Turbidity, TDS, Alkalinity, Iron, Chloride,  
Nitrate, Arsenic, pH, Fluoride, Total Chromium

### Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984	NTU	<1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1984	---	7.5	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	288	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986	mg/l	96.6	200 Max.	600 Max.
5	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
6	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	51.5	250 Max.	1000 Max.
7	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	12.6	45 Max.	No Relaxation
8	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	< 0.002	0.01 Max.	No Relaxation
9	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation
10	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	0.13	1 Max.	1.5 Max.

### Minimum detection limit :


(i) Iron : 0.1mg/l (ii) Total Chromium : 0.05mg/l (iii) Arsenic : 0.002mg/l

### Remarks on Chemical 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 :

  
Report Verified by  
(J. DAS)

nb

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

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