



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

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"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L/7701

Certificate of Examination

We hereby certify that a sample of "DRINKING WATER" drawn by our representative on 30th April 2022 by and on behalf of M/s. THE BHAWANIPUR GUJARATI EDUCATION SOCIETY SCHOOL (ICSE), 12B, Heysham Road, Kolkata-700020., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37^o C ... 80
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100 ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchi - Absent in 10 ml of original water

B.P.H.L.

ACCEPTABLE

Max 100

Nil

Nil/10ml

Max

CONDITION OF WATER AT TIME OF ANALYSIS:

D.L. MAX.CPHL

Appearance/Colour (Hazen) - Clear
Odour- Agreeable
Turbidity (NTU) - 1

10 50

Unobj

10

Unobj

25

Sediment - Nil

Reaction PH Value- 7.4

Free Cl. (PPM) - Nil

D.L.CPHL

6.5/8.5 9.2

0.2 0.5

RESULTS expressed in parts per Million

ESTIMATION:

Total solids dried at 100^oCAlkalinity to Phenolphthalein as (CaCO₃)Alkalinity to Methylorange as (CaCO₃)Silica as SiO₂

Oxide of Iron & Alumina

Iron as Fe

Manganese as Mn

Lime as CaO

Magnesia as MgO

Sulphates as SO₃

Chlorides as Cl

Nitrates as KNO₃

Free Carbonic acid

- Nil

- 425.0

- 0.4

- 0.2

- 0.2 0.1 1.0

- Nil 0.1 0.5

- 163.0 104.9 279.8

- 83.3 82.9 248.7

- 9.4 200 400

- 680.5 250 1000

- 2.6 73.4 73.4

- 0.4 - -

Calcium Carbonate - 295.5

Magnesium Carbonate - 92.0

Magnesium Chloride - 97.3

Sodium Chloride - 1055.0

Silica - 0.4

Oxide of Iron & Alumina - 0.2

Potassium Nitrate - 2.6

Combined Water etc. - 95.0

1638.0

grains per
gallon

D.L.
PPM.

parts per
Million:

Max.
CPHL

HARDNESS IN

Total Hardness 35.30 300 485.0 600

Temporary Hardness 35.30 485.0

Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site : - 3rd Floor Godown 1st.

CHIEF EXECUTIVE



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Certificate of Examination

We hereby certify that a sample of "DRINKING WATER" drawn by our representative on 30th April 2022 by and on account of M/s. THE BHAWANIPUR GUJARATI EDUCATION SOCIETY SCHOOL (ICSE), 12B, Heysham Road, Kolkata-750020., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37^o C ... 40
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100 ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L.

ACCEPTABLE

Max 100

Nil

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) – Clear

Odour- Agreeable

Turbidity (NTU) – Traces

D.L. MAX.CPHL

10 50

Unobj Unobj

10 25

Sediment – Nil

Reaction PH Value- 7.2

Free Cl. (PPM) – Nil

D.L.CPHL

6.5/8.5 9.2

0.2 0.5

ESTIMATION:

Total solids dried at 100^oC



RESULTS expressed in parts per Million

D.L. Max C.P.H.L.

1440.0 500 2000

PROBABLE COMPOSITION

OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃)

Alkalinity to Methylorange as (CaCO₃)

Silica as SiO₂
Oxide of Iron & Alumina

Iron as Fe

Manganese as Mn

Lime as CaO

Magnesia as MgO

Sulphates as SO₃

Chlorides as Cl

Nitrates as KNO₃

Free Carbonic acid

Nil

- 445.0

- 0.4

- 0.3

- 0.3 0.1

- Nil 0.1

- 134.79 104.9 279.8

- 28.5 82.9 248.7

- 14.1 200 400

- 571.4 250 1000

- 2.5 73.4 73.4

- 0.4 - -

Calcium Carbonate

Magnesium Carbonate

Magnesium Sulphate

Sodium Sulphate

Sodium Chloride

Silica

Oxide of Iron & Alumina

Potassium Nitrate

Combined Water etc.

- 315.5

- 152.0

- 3.9

- 121.0

- 843.2

- 0.4

- 0.3

- 2.5

- 1.2

1440.0

grains per
gallon

D.L.
PPM.

parts per
Million:

Max.
CPHL

HARDNESS IN

Total Hardness

Temporary Hardness

Permanent Hardness

27.70

27.70

Absent

300

445.0

Absent

445.0

445.0

Absent

600

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site : - 2nd Floor (Drinking Water)

CHIEF EXECUTIVE



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BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37°C ... 60
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100 ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L. ACCEPTABLE

Max 100
Nil

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) - Clear
Odour- Agreeable
Turbidity (NTU) - Traces

D.L. MAX.CPHL

10 50
Unobj Unobj
10 25

Sediment - Nil
Reaction PH Value- 7.4
Free Cl. (PPM) - Nil

Max D.L.CPHL

6.5/8.5 9.2
0.2 0.5

ESTIMATION:

Total solids dried at 100°C

RESULTS expressed in parts per Million

D.L. Max C.P.H.L.
1211.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃)

Nil

Calcium Carbonate - 284.7

Alkalinity to Methylorange as (CaCO₃)

- 445.0

Magnesium Carbonate - 135.1

Silica as SiO₂

- 0.4

Magnesium Chloride - 36.4

Oxide of Iron & Alumina

- 0.2

Sodium Sulphate - 132.6

Iron as Fe

- 0.2 0.1 1.0

Sodium Chloride - 618.0

Manganese as Mn

- Nil 0.1 0.5

Silica - 0.4

Lime as CaO

- 15.5 104.9 279.8

Oxide of Iron & Alumina - 0.2

Magnesia as MgO

- 30.0 82.9 248.7

Potassium Nitrate - 2.4

Sulphates as SO₃

- 8.6 200 400

Combined Water etc. - 1.2

Chlorides as Cl

- 390.1 250 1000

1211.0

Nitrates as KNO₃

- 2.4 73.4 73.4

Free Carbonic acid

- 0.24 - -

grains per
gallon

D.L.
PPM.

parts per
Million:

Max.
CPHL

HARDNESS IN

Total Hardness

33.83

300

483.3

600

Temporary Hardness

33.83

483.3

Permanent Hardness

Absent

Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site : - Garden (Drinking Water).

CHIEF EXECUTIVE