



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. TC781522100002892F

No. W(D)/22-23/342

Date : May 07, 2022

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Issued to : M/S, KHALSA MODEL SENIOR SECONDARY SCHOOL
135, B T. Road (Dunlop Bridge) Kolkata - 700108

Sample Description : Drinking Water
Collection Source : Junior Section Aquaguard
Sample Drawn by us On : 29.04.2022
Test Completed on : 30.04.2022

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

Method of Sampling : IS : 1622 : 1981

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
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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135, B. T.-Road (Dunlop Bridge) Kolkata - 700108

Sample Description : Drinking Water
Collection Source : Junior Section Aquaguard

Parameters Tested :
As per IS: 10,500, 2012
1. Organoleptic and Physical - 6 Parameters
2. General Parameters - 21 Parameters
3. Toxic Substances - 8 Parameters

Sample Drawn by us On : 29 04 2022
Test Completed on : 05 05 2022

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

Physical & Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
A. Organoleptic and Physical Parameters						
1	Colour	IS: 3025-(part-4): 1983 Reaff. 2012	Hazen	1	5 Max.	15 Max.
2	Odour	IS:3025(Part-5):1983	Agreeable	Agreeable	Agreeable
3	Taste	IS:3025(Part-8):1984	---	Agreeable	Agreeable	Agreeable
4	pH value	IS: 3025 (Part-11): 1983 Reaff. 2012	7.2	6.5 - 8.5	No Relaxation
5	Turbidity	IS: 3025 (Part-10): 1984 Reaff. 2012	NTU	< 1.0	1 Max.	5 Max.
6	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaff. 2012	mg/l	223	500 Max.	2000 Max.
B. General Parameters Concerning Substances Undesirable in Excessive Amounts						
1	Aluminium as Al	IS: 3025 (Part-55)	mg/l	<0.03	0.03 Max.	0.2 Max.
2	Ammonia (NH ₃ -N)	IS: 3025(Part-34)	mg/l	<0.2	0.5 Max.	No Relaxation
3	Anionic detergents(as MBAS)	Annex K of IS: 13428	mg/l	< 0.05	0.2 Max.	1 Max
4	Barium as Ba	APHA 23rd Edn. 3111D	mg/l	<0.5	0.7 Max.	No Relaxation
5	Boron as B	IS: 3025 (Part-57): 2005 Reaff. 2010	mg/l	<0.2	0.5 Max.	1.0 Max.
6	Calcium as Ca	IS: 3025 (Part-40): 1991 Reaff. 2009	mg/l	35.6	75 Max.	200 Max.
7	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaff. 2009	mg/l	23.8	250 Max.	1000 Max.
8	Copper as Cu	IS: 3025 (Part-42): 1992 Reaff. 2009	mg/l	<0.05	0.05 Max.	1.5 Max.
9	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	0.36	1 Max.	1.5 Max.
10	Iron as Fe	IS: 3025 (Part-53): 2003 Reaff. 2009	mg/l	< 0.1	1.0 Max.	No Relaxation
11	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaff. 2009	mg/l	10.8	30 Max.	100 Max.
12	Manganese as Mn	IS: 3025 (Part-59): 2006 Reaff. 2012	mg/l	<0.05	0.1 Max.	0.3 Max.
13	Nitrate as NO ₃	IS: 3025 (Part-34): 1988 Reaff. 2009	mg/l	7.2	45 Max.	No Relaxation
14	Phenolic Compounds as C ₆ H ₅ OH	IS: 3025 (Part-43): 1992 Reaff. 2009	mg/l	<0.001	0.001 Max.	0.002 Max.
15	Selenium as Se	IS: 3025 (Part-56): 2003 Reaff. 2009	mg/l	<0.01	0.01 Max.	No Relaxation
16	Silver as Ag	Annex J of IS: 13428	mg/l	<0.05	0.1 Max.	No Relaxation
17	Sulphate as SO ₄	IS: 3025 (Part-24): 1986 Reaff. 2009	mg/l	16.6	200 Max.	400 Max.

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Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
19	Sulphide as H ₂ S	IS: 3025 (Part-29): 1986 Reaff. 2009	mg/l	< 0.05	0.05 Max.	No Relaxation
20	Total Alkalinity as CaCO ₃	IS: 3025 (Part-23): 1986 Reaff. 2009	mg/l	114.2	200 Max.	600 Max.
21	Total Hardness as CaCO ₃	IS: 3025 (Part-21) - 2009	mg/l	133.3	200 Max.	600 Max.
22	Zinc as Zn	IS: 3025 (Part-49): 1994 Reaff. 2009	mg/l	0.06	5 Max.	15 Max.

C. Parameters Concerning Toxic Substances

1	Cadmium as Cd.	IS: 3025 (Part-41): 1992 Reaff. 2009	mg/l	< 0.002	0.003 Max.	No Relaxation
2	Cyanide as CN	IS: 3025 (Part-27): 1986 Reaff. 2009	mg/l	< 0.02	0.05 Max.	No Relaxation
3	Lead as Pb	IS: 3025 (Part-47): 1994 Reaff. 2009	mg/l	< 0.01	0.01 Max.	No Relaxation
4	Mercury as Hg	IS: 3025 (Part-48): 1994 Reaff. 2009	mg/l	< 0.001	0.001 Max.	No Relaxation
5	Molybdenum as Mo	IS: 3025 (Part-2): 2004 Reaff. 2009	mg/l	< 0.05	0.07 Max.	No Relaxation
6	Nickel as Ni	IS: 3025 (Part - 54) 2003	mg/l	< 0.01	0.02 Max.	No Relaxation
7	Total Arsenic as As	IS: 3025 (Part-37): 1988 Reaff. 2009	mg/l	< 0.002	0.01 Max.	No Relaxation
8	Total Chromium as Cr	IS: 3025 (Part-52): 2003 Reaff. 2009	mg/l	< 0.05	0.05 Max.	No Relaxation

Minimum detection limit:

- | | | | |
|----------------------------------|--------------------------------------|-------------------------|------------------------|
| i) Turbidity : 1.0NTU | ii) Aluminium : 0.03mg/l | iii) Ammonia : 0.2mg/l | iv) Barium : 0.5mg/l |
| v) Anionic Detergents : 0.05mg/l | vi) Copper : 0.05mg/l | vii) Cyanide : 0.02mg/l | viii) Boron : 0.2mg/l |
| ix) Manganese : 0.05mg/l | x) Sulphide : 0.05mg/l | xi) Selenium : 0.01mg/l | xii) Iron : 0.1mg/l |
| xiii) Cadmium : 0.002mg/l | xiv) Molybdenum : 0.05mg/l | xv) Magnesium : 1.0mg/l | xvi) Silver : 0.05mg/l |
| xvii) Total Arsenic : 0.002mg/l | xviii) Mercury : 0.001mg/l | xix) Nickel : 0.01mg/l | xx) Lead : 0.01mg/l |
| xxi) Total Chromium : 0.05mg/l | xxii) Phenolic Compounds : 0.001mg/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)

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

KHALSA MODEL SR. SEC. SCHOOL

General secretary

Principal
KHALSA MODEL SENIOR SECONDARY SCHOOL
School No.-15652, Affiliation No.-2430010
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