



R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

ESTABLISHED IN 1900

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TEST REPORT

SAMPLE SUBMITTED BY PARTY :

No. W(S)/13-14/595	Date : September 03, 2013	Page 1 of 1
Issued to	: M/S, POPULAR ENGG. & ELOECTRICAL STORES 3/1, Mangoe Lane, Kolkata - 700 001	
Your Ref No.	: Letter dtd. 27.08.2013	
Sample Description	: Drinking Water.	
Mark on Sample	: "K.M.C. Water, site: Shri Shikshayatan School, 11, Lord Sinha Road, Kolkata - 700 071, "	
Sample Received On	: 27.08.2013	
Analysis Completed on	: 02.09.2013	

A. Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 2nd Rev.
1	Coliform Organism/100ml	APHA 22nd Edn. 9222B	CFU	Absent	Absent in 100 ml
2	E. coli/100ml	APHA 22nd Edn. 9222D	CFU	Absent	Absent

B. Physical Test Findings:

1. Colour - Colourless

2. Appearance - Clear

3. Odour - Unobjectionable

C. 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	APHA 22nd Edn. 2130 - B	NTU	2.4	1.0 Max.	5.0 Max.
2	pH value	APHA 22nd Edn. 4500 H ⁺ B	---	7.1	6.5 - 8.5 Max.	No Relaxation
3	Total Dissolved Solids	APHA 22nd Edn. 2540 - C	mg/l	906	500 Max.	2000 Max.
4	Alkalinity as CaCO ₃	IS:3025 (Part-23) - 1986	mg/l	447	200 Max.	600 Max.
5	Silica as SiO ₂	APHA 22nd Edn. 4500 SiO ₂ C	mg/l	8.6	---	---
6	Iron as Fe	APHA 22nd Edn. 3500 - FeB	mg/l	0.30	0.30 Max.	No Relaxation
7	Calcium as Ca	APHA 22nd Edn. 3500 - CaB	mg/l	100	75 Max.	200 Max.
8	Magnesium as Mg	APHA 22nd Edn. 3500 - MgB	mg/l	55	30 Max.	100 Max.
9	Sulphate as SO ₄	IS:3025 (Part-24) - 1986	mg/l	31.7	200 Max.	400 Max.
10	Chloride as Cl	APHA 22nd Edn. 4500 - ClB	mg/l	219	250 Max.	1000 Max.
11	Nitrate as NO ₃	APHA 22nd Edn. 4500-NO ₃ D	mg/l	3.38	45 Max.	No Relaxation
12	Total Hardness as CaCO ₃	APHA 22nd Edn. 2340 C	mg/l	478	200 Max.	600 Max.
	a) Temporary Hardness	---	mg/l	447	---	---
	b) Permanent Hardness	---	mg/l	31	---	---
13	Total Arsenic as As	APHA 22nd Edition 3114 C	mg/l	0.002	0.01 Max.	0.05 Max.

Note :

Remarks :

Bacteriologically : Satisfactory for drinking purpose, in respect of the above mentioned parameters.

Chemically : (i) Satisfactory for drinking purpose, in respect of the above mentioned parameters.

(ii) Turbidity, Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit.

Verified by
(On Microbiological Report)
I/C Microbiological Dept.

J. Mukherjee
Quality Manager
Authorized Signatory

NCB

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