



BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)

DEPARTMENT OF CIVIL ENGINEERING

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ENVIRONMENTAL ENGINEERING LABORATORY



BRTC No. : 1101-58457 /17-18/CE; Dt: 8/4/2018

Ref. No. : Letter; Dt: 8/4/2018

Sent by : Indesore Sweater Ltd

Project : ---

Company : Deger Chala, National University, Gazipur-1704

Source : Drinking water

Address : --

Location : Factory at Deger Chala, National University, Gazipur-1704

Sample Id : --

Date of Test : 8/4/2018 - 18/4/2018

TEST REPORT (ROUTINE DRINKING WATER PARAMETERS)

Sl. No.	Water Quality Parameters	Unit	Concentration Present	Bangladesh Standard for Drinking Water (ECR'97)	WHO Guideline Values 2004	Method of analysis	MDL
1	pH	-	7.56	6.5-8.5	6.5-8.5	USEPA 150.1; SM 4500-H+ B	0
2	Color	Pt-Co	2	15	15	USEPA 110.2; SM 2120 C	0.01
3	Turbidity	NTU	0.29	10	5	USEPA 180.1 Rev 2; SM 2130 B	0.01
4	Total Hardness as CaCO ₃	mg/L	284	200-500	200	USEPA 130.2; SM 2340 C	0.2
5	Chloride (Cl ⁻)	mg/L	17	150-600	250	USEPA 325.6; SM 4500-Cl ⁻	1
6	Total Dissolved Solids (TDS)	mg/L	350	1000	1000	USEPA 160.2; SM 2540 B - D	5
7	Manganese (Mn)	mg/L	0.022	0.1	0.4a, 0.1b	PAN Method	0.005
8	Arsenic (As)	mg/L	0.007	0.05	0.01	USEPA 206.2; SM 3113 B	0.001
9	Iron (Fe)	mg/L	<0.02	0.3-1.0	0.3	PAN Method	0.02
10	Total Coliform (TC)	CFU/100 ml	0	0	0	USEPA 9132; SM 9221 E	0
11	Fecal Coliform (FC)	CFU/100 ml	0	0	0	SM 9222 G	0

a. Health based guideline, b. Guideline based on other considerations

Comments : 1. Sample was supplied by CLIENT

2. Sample was received in unsealed condition.

Water is suitable for drinking purpose as per ECR 1997

Countersigned by:

Dr. Abu Siddique

Dr. Abu Siddique
Professor, Dept. of Civil Engg.

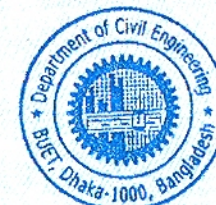


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Test Performed by:

T. AA
Dr. Tanvir Ahmed
Associate Professor, Dept. of Civil Engineering



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.