



BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)

DEPARTMENT OF CIVIL ENGINEERING

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ENVIRONMENTAL ENGINEERING LABORATORY



BRTC No. : 110172037 /18-19/CE; Dt: 30/10/2018

Ref. No. : letter; Dt: 30/10/2018

Sent by : Indesore Sweater Ltd.

Project : -

Company : Deger Chala, National University, Gazipur Sadar, Gazipur

Address

Sample Id : Drinking Water

Location

Date of Test : 30/10/2018 - 6/11/2018

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	-	7.65	6.5-8.5	6.5-8.5	USEPA 150.1; SM 4500-H+ B	0
2	Color	Pl-Co	2	15	15	USEPA 110.2; SM 2120 C	0.01
3	Turbidity	NTU	0.1	10	5	USEPA 180.1 Rev 2; SM 2130 B	0.01
4	Total Hardness as CaCO ₃	mg/L	180	200-500	200	USEPA 130.2; SM 2340 C	0.2
5	Chloride (Cl)	mg/L	10	150-600	250	USEPA 325.6; SM 4500-Cl-	1
6	Total Dissolved Solids (TDS)	mg/L	321	1000	1000	USEPA 160.2; SM 2540 B - D	5
7	Manganese (Mn)	mg/L	<MDL	0.1	0.4a, 0.1b	USEPA 200.9; SM 3111 B	0.08
8	Arsenic (As)	mg/L	<MDL	0.05	0.01	USEPA 206.2; SM 3113 B	0.001
9	Iron (Fe)	mg/L	<MDL	0.3-1.0	0.3	USEPA 200.9; SM 3111 B	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. The routine parameters analyzed are within the acceptable limits set for drinking water in ECR 1997. Based on the above results the supplied samples may be considered suitable for drinking purpose.
2. Sample was supplied by CLIENT
3. Sample was received in unsealed condition.

Countersigned by:

For

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



Test Performed by:

06.11.18
Dr. Md. Habibur Rahman
Professor, Dept. of Civil Engineering

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