

## BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET) DEPARTMENT OF CEVIL ENGINEERING

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## ENVIRONMENTAL ENGINEERING LABORATORY

Bureau of Research, Testing & Consultation

BRTC No.

110172037 /18-19/CE; Dt: 30/10/2018

letter: Dt: 30/10/2018

Sent by Project Company

Deger Chala, National University, Gazipur Sadar, Gazipur

Source

Address Sample 1d

: Drinking Water

Indesore Sweater Ltd.

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

## TEST REPORT (ROUTINE DRINKING WATER PARAMETERS)

SI, No.	Water Quality Parameters	Unit	Concentration Present	Bangladesh Standard for Drinking Water (ECR'97)	WHO Guideline Values 2004	Method of analysis	MDL
1	рН		7.65	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	0.1	10	mm(((((((5))))))	USEPA 180.1 Rev 2; SM 2130 B	0.01
4	Total Hardness as CaCO3	mg/L	180	200-500	200	USEPA 130.2; SM 2340 C	0.2
5	Chloride (CI)	mg/L	10	150-600	250	USEPA 325.6; SM 4500-CI-	08/08/09/11 (07/09/09)
6	Total Dissolved Solids (TDS)	mg/L	321	1000	1000	USEPA 160.2; SM 2540 B - D	5
7	Manganese (Mn)	mg/L	<mdl< td=""><td>0.1</td><td>0.4a, 0.1b</td><td>USEPA 200.9 ; SM 3111 B</td><td>0.08</td></mdl<>	0.1	0.4a, 0.1b	USEPA 200.9 ; SM 3111 B	0.08
8	Arsenic (As)	rng/L	<mdl< td=""><td>0.05</td><td>0.01</td><td>USEPA 206.2; SM 3113 B</td><td>0.001</td></mdl<>	0.05	0.01	USEPA 206.2; SM 3113 B	0.001
9	Iron (Fe)	mg/L	<mdl< td=""><td>0.3-1.0</td><td>0.3</td><td>USEPA 200.9 ; SM 3111 B</td><td>0.02</td></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	///////////////////////////////////////
11	Fecal Coliform (FC)	CFU/100 ml	0	0	0	SM 9222 G	0

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

2. Sample was supplied by CLIENT

3. Sample was received in unsealed condition.

Authenticity of this page is verifiable from http://verify.ce.buet.ac.bd with the QR Gede or ID

Countersigned by

Dr. Abu Siddique

Professor, Dept. of Civil Engg.

Test Performed by

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