



Water Bird Chemical & Biological Laboratory

Providing Quality Laboratory Testing Services



LB-163-TEST

Reporting Date: 26-May-2019

LABORATORY ANALYSIS REPORT

Report No	WBR19-13069	Sample No	WBS19-09727
Request No	WBQ19-02076	Date Of Analysis	From: 19-May-2019 To: 25-May-2019

CLIENT INFORMATION

Client	AMERICAN UNIVERSITY OF SHARJAH
Contractor	Water Bird Chemical & Biological Laboratory
Address & Location	P.O Box: 26666, CSC Ware House, Opposite Sharjah Int' Airport City: Sharjah Country: United Arab Emirates
Contact Details	Attn: Mr. Karen Egly Thompson Tel: 065152045 Fax: 065154061 Mobile: N/G Email: keglythompson@aus.edu
Project	Quality Assurance - American University of Sharjah - LPO : P0056827 dated 14/04/2019

SAMPLE INFORMATION

Sample Point	CSCA WG (Water Dispenser) Drinking water		
Sample Description	Potable Water	Sample By	WBCBL Rep
Sample Source	Air Water Generator	Sampling Date & Time	19-May-2019 10:57
Sample Identification	SC No.11284/06	Submitted By	WBCBL Rep
Sampling Procedure *	APHA 1060	Receiving Date & Time	19-May-2019 17:00
Sample Container/Volume	Pet Bottle / 1 L	Onsite Treatment/ Preservation	Transported in Ice Box
Sample Collection Temp.	26°C	Sample Receipt Temp.	4.5°C
Sampling Apparatus	Pet Bottle	Tested By	RR
Test Method	1.) Standard Method for the Examination of Water and Wastewater, APHA/AWWA/WEF, 22nd Edition. 2.) Spectrophotometer.		

Chemical Analysis Result

TEST	UNIT	METHOD	METHOD DETECTION LIMIT	RESULTS	¥ GUIDELINE
pH @ 25°C	---	APHA 4500 H ⁺ B	0.01 - 14.00	7.73	6.50 - 8.50
Electrical Conductivity @25°C	µS/cm	APHA 2510 B	1.0	230	---
Total Dissolved Solids @ 180°C (TDS)	mg/L	APHA 2540 C	4.0	138	< 1000
Chloride (Cl ⁻)	mg/L	APHA 4500 Cl ⁻ B	2.0	3.55	< 250
Sulphate (SO ₄ ²⁻)	mg/L	APHA 4500 SO ₄ ²⁻ E	2.0	2.10	< 250
Calcium (Ca)	mg/L	APHA 3500 Ca B	1.0	10.3	---
Magnesium (Mg)	mg/L	APHA 3500 Mg B	---	2.53	---
Total Hardness as CaCO ₃	mg/L	APHA 2340 C	1.0	36.0	< 500
Total Alkalinity as CaCO ₃	mg/L	APHA 2320 B	1.0	103	---
Bicarbonate (HCO ₃ ⁻) *	mg/L	APHA 2320 B	1.0	126	---
Fluoride (F ⁻) *	mg/L	APHA 4500 F ⁻ D	0.02	0.08	< 1.50
Nitrate (NO ₃ ⁻) *	mg/L	APHA 4500 NO ₃ ⁻ B	0.10	2.40	< 50
Silica (SiO ₂) *	mg/L	APHA 4500 SiO ₂	0.05	0.81	---
Sodium (Na)	mg/L	APHA 3120 B	0.029	2.004	< 200
Potassium (K)	mg/L	APHA 3120 B	0.025	1.012	---
Iron (Fe)	mg/L	APHA 3120 B	0.002	0.002	< 0.30
Copper (Cu)	mg/L	APHA 3120 B	0.002	<0.002	< 2.0
Chromium (Cr)	mg/L	APHA 3120 B	0.001	<0.001	< 0.05
Lead (Pb)	mg/L	APHA 3120 B	0.003	<0.003	< 0.010

Approved By:

Praveen R.Nair
(Laboratory Manager)

Form No WBCBL/RP/04

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مختبر طائر الماء للتحاليل الكيميائية والبيولوجية

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Report No	WBR19-13069	Sample No	WBS19-09727		
Request No	WBQ19-02076	Date Of Analysis	From: 19-May-2019 To: 25-May-2019		
TEST	UNIT	METHOD	METHOD DETECTION LIMIT	RESULTS	¥ GUIDELINE
Manganese (Mn)	mg/L	APHA 3120 B	0.001	0.001	< 0.10
Zinc (Zn)	mg/L	APHA 3120 B	0.004	<0.004	5.0

* This test is not accredited by Emirates International Accreditation Center (EIAC).

Remarks: None

¥ WHO GUIDELINES

Test Method Variation: None

APHA-American Public Health Association , WBCBL- Water Bird Chemical & Biological Laboratory

Approved By:

Praveen R.Nair

(Laboratory Manager)



Note: Test results relate only to the samples tested. This report shall not be reproduced except in full, without written approval of WBCBL.

- END OF REPORT -



Water Bird Chemical & Biological Laboratory

Providing Quality Laboratory Testing Services



Reporting Date: 23-May-2019

LABORATORY ANALYSIS REPORT

Report No	WBR19-13063	Sample No	WBS19-09727
Request No	WBQ19-02076	Date Of Analysis	From: 19-May-2019 To: 22-May-2019

CLIENT INFORMATION

Client	AMERICAN UNIVERSITY OF SHARJAH		
Contractor	Water Bird Chemical & Biological Laboratory		
Address & Location	P.O Box: 26666, CSC Ware House, Opposite Sharjah Int' Airport City: Sharjah Country: United Arab Emirates		
Contact Details	Attn: Mr. Karen Egly Thompson Tel: 065152045 Fax: 065154061 Mobile: N/G Email: keglythompson@aus.edu		
Project	Quality Assurance - American University of Sharjah - LPO : P0056827 dated 14/04/2019		

SAMPLE INFORMATION

Sample Point	CSCA WG (Water Dispenser) Drinking water		
Sample Description	Potable Water	Sample By	WBCBL Rep
Sample Source	Air Water Generator	Sampling Date & Time	19-May-2019 10:57
Sample Identification	SC No.11284/06	Submitted By	WBCBL Rep
Sampling Procedure	APHA 9060	Receiving Date & Time	19-May-2019 17:00
Sample Container/Volume	Sterile Bottle/ 500 ml	Onsite Treatment/ Preservation	Transported in Ice Box
Sample Collection Temp.	26°C	Sample Receipt Temp.	7.0°C
Sampling Apparatus	Sterile Bottle	Tested By	SEN
Test Method	Standard Method for the Examination of Water and Wastewater, APHA/AWWA/WEF, 22nd Edition.		

Microbiological Analysis Result

TEST	UNIT	METHOD	METHOD DETECTION LIMIT	RESULTS	¥ GUIDELINES
Heterotrophic Plate Count	CFU/mL	APHA 9215 D	1.0	210	< 500
Escherichia Coli	CFU/100 mL	APHA 9222 B	1.0	<1	Zero
Total Coliforms	CFU/100 mL	APHA 9222 B	1.0	<1	Zero
Pseudomonas Aeruginosa	CFU/100 mL	APHA 9213 E	1.0	<1	Zero

* This test is not accredited by Emirates International Accreditation Center (EIAC).

Remarks: The microbiological status of the above tested sample is satisfactory.

¥ Guideline for the control of Legionella in water system Rev. 2.6/2010, Public health & safety department, Dubai.

¥ GSO Standard – 149:2010 for Unbottled Drinking Water.

Test Method Variation: None

< 1 is considered as not detected. , CFU - Colony Forming Unit , APHA-American Public Health Association , WBCBL- Water Bird Chemical & Biological Laboratory

Approved By:

Praveen R.Nair
(Laboratory Manager)



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