

TEST REPORT

REPORT NO:-QMTL/R-82108

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES		
P.O.Box.131463, Abu Dhabi, U.A.E		
Ph:02-6508930/0557167017		
ATTN:MR. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-82108
Reference: HEALTHPOINT HOSPITAL	Sampled By: Client Representative	Date Received: 28.11.2019
Sample Description : L-4, Cooling Tower No# 01 Sample Onsite Temp: 18°C Sample Receipt Temp: 21°C	Source: Cooling Tower	Date(s) Tested: 28-30.11.2019
	Sample Container: 1X 500ml PB	Date Reported: 06.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02.00 PM
On-Site Treatment: NA	Tested by Emp#: 55 & 74	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 75

Test Method deviation : None

The above test results are only applicable to the sample(s) referred above

Reported By



ANILA GEORGE
LABORATORY MANAGER

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END OF REPORT

TEST REPORT

REPORT NO:-QMTL/R-82109

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN:MR. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-82109
Reference: HEALTHPOINT HOSPITAL	Sampled By: Client Representative	Date Received: 28.11.2019
Sample Description : L-4, Cooling Tower No# 02 Sample Onsite Temp: 17°C Sample Receipt Temp: 21°C	Source: Cooling Tower	Date(s) Tested: 28-30.11.2019
	Sample Container: 1X 500ml PB	Date Reported: 06.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02.00 PM
On-Site Treatment: NA	Tested by Emp#: 55 & 74	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 75

Test Method deviation : None

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TEST REPORT

REPORT NO:-QMTL/R-82110

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN:MR. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-82110
Reference: HEALTHPOINT HOSPITAL	Sampled By: Client Representative	Date Received: 28.11.2019
Sample Description : L-4, Cooling Tower No# 03 Sample Onsite Temp: 17.3°C Sample Receipt Temp: 21°C	Source: Cooling Tower	Date(s) Tested: 28-30.11.2019
	Sample Container: 1X 500ml PB	Date Reported: 06.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02.00 PM
On-Site Treatment: NA	Tested by Emp#: 55 & 74	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 75

Test Method deviation : None

The above test results are only applicable to the sample(s) referred above

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REPORT NO:-QMTL/R-82111

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES		
P.O.Box.131463, Abu Dhabi, U.A.E		
Ph:02-6508930/0557167017		
ATTN:MR. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-82111
Reference: HEALTHPOINT HOSPITAL	Sampled By: Client Representative	Date Received: 28.11.2019
Sample Description : L-4, Cooling Tower No# 04 Sample Onsite Temp: 17.5°C Sample Receipt Temp: 21°C	Source: Cooling Tower	Date(s) Tested: 28-30.11.2019
	Sample Container: 1X 500ml PB	Date Reported: 06.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02.00 PM
On-Site Treatment: NA	Tested by Emp#: 55 & 74	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 75

Test Method deviation : None

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TEST REPORT

REPORT NO:-QMTL/R-82112

CLIENT: CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN:MR. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-82112
Reference: HEALTHPOINT HOSPITAL	Sampled By: Client Representative	Date Received: 28.11.2019
Sample Description : Water Feature- Ground Floor Sample Onsite Temp: 32°C Sample Receipt Temp: 21°C	Source: Water Feature	Date(s) Tested: 28-30.11.2019
	Sample Container: 1X 500 ml PB	Date Reported: 06.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02.00 PM
On-Site Treatment: NA	Tested by Emp#: 55 & 74	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	500	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Water feature with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable

Report prepared by Emp#: 75

Test Method deviation : None

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TEST REPORT

REPORT NO: - QMTL/R-82106

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN: Mr. JASMAN PINTO		
Product: Water	Sampling Method: APHA 1060 B	Sample ID: QMTL/S-82106
Reference: HEALTH POINT HOSPITAL	Sampled By: QMTL Representative	Date Received: 28.11.2019
Sample Description: P2- Plant Room, Copper Silver GRP Tank No. 05 Sample Onsite Temp: NA Sample Receipt Temp:21°C	Source: Tank	Date(s) Tested: 28.11-01.12.2019
	Sample Container: 1x500 ml PB	Date Reported: 04.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02:00 PM
On-Site Treatment: NA	Tested by Emp#: 67	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 RD EDITION)	UNITS	SPECIFICATION	RESULTS
CHEMICAL ANALYSIS				
pH @23.1°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.79
Conductivity @23.1°C	APHA 2510	µs/cm	-	183.2
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	121
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	31.57
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	62.4
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	70.2
Iron (Fe)	APHA 3120 B	mg/L	Max 0.2	<0.05
Copper (Cu)	APHA 3120 B	mg/L	Max 1.0	<0.05
Silver (Ag)	APHA 3120 B	mg/L	Max 5.0	<0.05

REMARKS: The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.

Key Words: pH: Potential Hydrogen, APHA:American Public Health Association, RSB: Regulation & Supervision Bureau, NA:Not Applicable

Report prepared by Emp#: 22

Test Method deviation : None

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REPORT NO: - QMTL/R-82107

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES		
P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN: Mr. JASMAN PINTO		
Product: Water	Sampling Method: APHA 1060 B	Sample ID: QMTL/S-82107
Reference: HEALTH POINT HOSPITAL	Sampled By: QMTL Representative	Date Received: 28.11.2019
Sample Description: P2- Plant Room, Copper Silver GRP Tank No. 06 Sample Onsite Temp: NA Sample Receipt Temp:21°C	Source: Tank	Date(s) Tested: 28.11-01.12.2019
	Sample Container: 1x500 ml PB	Date Reported: 04.12.2019
	Sample Appearance: Clear	Date of Sampling/Time: 28.11.2019/02:00 PM
On-Site Treatment: NA	Tested by Emp#: 67	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 RD EDITION)	UNITS	SPECIFICATION	RESULTS
CHEMICAL ANALYSIS				
pH @23.4°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.71
Conductivity @23.2°C	APHA 2510	µs/cm	-	186.6
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	123
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	32.6
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	66.3
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	72.2
Iron (Fe)	APHA 3120 B	mg/L	Max 0.2	<0.05
Copper (Cu)	APHA 3120 B	mg/L	Max 1.0	<0.05
Silver (Ag)	APHA 3120 B	mg/L	Max 5.0	<0.05

REMARKS: The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.

Key Words: pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable

Report prepared by Emp#: 22

Test Method deviation : None

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