

**TEST REPORT**

REPORT NO:-QMTL/R-77995

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
<b>ATTN:MR. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 9060 A	Sample ID: QMTL/S-77995
Reference: <b>HEALTHPOINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description :</b> L-4, Cooling Tower No# 01 Sample Onsite Temp: 19°C Sample Receipt Temp: 4°C	Source: Cooling Tower	Date(s) Tested: 29-31.10.2019
	Sample Container: 1X 500ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

**TEST RESULTS**

PARAMETERS	TEST METHOD (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATIONS	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>230</b>
Total Coliforms	APHA 9222 B	CFU/100ml	-	<b>Zero</b>
Faecal coliform	APHA 9222 D	CFU/100ml	-	<b>Zero</b>
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	<b>Zero</b>
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	<b>Zero</b>

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-77996

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
<b>ATTN:MR. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 9060 A	Sample ID: QMTL/S-77996
Reference: <b>HEALTHPOINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description :</b> L-4, Cooling Tower No# 02 Sample Onsite Temp: 20°C Sample Receipt Temp: 4°C	Source: Cooling Tower	Date(s) Tested: 29-31.10.2019
	Sample Container: 1X 500ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

**TEST RESULTS**

PARAMETERS	TEST METHOD (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATIONS	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>98</b>
Total Coliforms	APHA 9222 B	CFU/100ml	-	<b>Zero</b>
Faecal coliform	APHA 9222 D	CFU/100ml	-	<b>Zero</b>
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	<b>Zero</b>
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	<b>Zero</b>

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

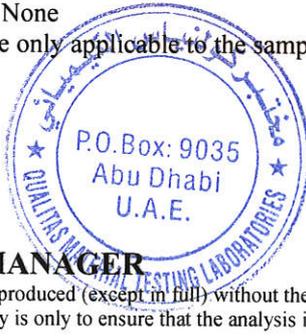
Report prepared by Emp#: 75

Test Method deviation : None

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

**Reported By**

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**LABORATORY MANAGER**



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**TEST REPORT**

REPORT NO:-QMTL/R-77997

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
<b>ATTN:MR. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 9060 A	Sample ID: QMTL/S-77997
Reference: <b>HEALTHPOINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description :</b> L-4, Cooling Tower No# 03 Sample Onsite Temp: 20°C Sample Receipt Temp: 4°C	Source: Cooling Tower	Date(s) Tested: 29-31.10.2019
	Sample Container: 1X 500ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

**TEST RESULTS**

PARAMETERS	TEST METHOD (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATIONS	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>120</b>
Total Coliforms	APHA 9222 B	CFU/100ml	-	<b>Zero</b>
Faecal coliform	APHA 9222 D	CFU/100ml	-	<b>Zero</b>
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	<b>Zero</b>
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	<b>Zero</b>

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

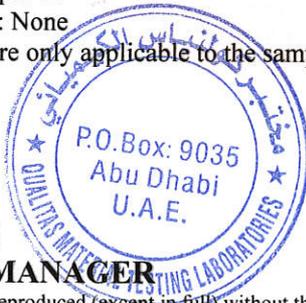
Report prepared by Emp#: 75

Test Method deviation : None

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**TEST REPORT**

REPORT NO:-QMTL/R-77998

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
<b>ATTN:MR. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 9060 A	Sample ID: QMTL/S-77998
Reference: <b>HEALTHPOINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description :</b> L-4, Cooling Tower No# 04 Sample Onsite Temp: 22°C Sample Receipt Temp: 4°C	Source: Cooling Tower	Date(s) Tested: 29-31.10.2019
	Sample Container: 1X 500ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

**TEST RESULTS**

PARAMETERS	TEST METHOD (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATIONS	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>190</b>
Total Coliforms	APHA 9222 B	CFU/100ml	-	<b>Zero</b>
Faecal coliform	APHA 9222 D	CFU/100ml	-	<b>Zero</b>
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	<b>Zero</b>
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	<b>Zero</b>

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

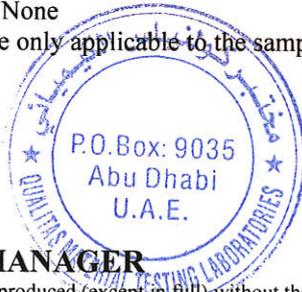
Report prepared by Emp#: 75

Test Method deviation : None

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**TEST REPORT**

**REPORT NO:-QMTL/R-77990**

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b>		
P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
<b>ATTN:MR. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 9060 A	Sample ID: QMTL/S-77990
Reference: <b>HEALTHPOINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description :</b> P1- Hydrotherapy Pool Sample Onsite Temp: 33°C Sample Receipt Temp: 4°C	Source: Pool	Date(s) Tested: 29-31.10.2019
	Sample Container: 1 X 500ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

**TEST RESULTS**

PARAMETER	TEST METHOD	UNIT	SPECIFICATION	RESULT
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	Dip Slide	CFU/ml	1000	<1

**REMARKS:** The sample meets DM Water Systems quality (2010) specifications for Pool Water with respect to the above test 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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**Reported By**

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**END OF REPORT**

### TEST REPORT

REPORT NO: - QMTL/R-77991

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 <b>ATTN: Mr. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 1060 B	Sample ID: QMTL/S- 77991
Reference: <b>HEALTH POINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description:</b> P2- Water Tank No. 05, Copper Silver Ionisation Sample Onsite Temp: 30°C Sample Receipt Temp: 4°C	Source: Tank	Date(s) Tested: 29.10-02.11.2019
	Sample Container: 1x500 ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 13	Location: AUH

### TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATION	RESULTS
<b>CHEMICAL ANALYSIS</b>				
pH @24.1°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	<b>7.89</b>
Conductivity @24.8°C	APHA 2510	µs/cm	-	<b>191.7</b>
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	<b>119</b>
Chloride (Cl)	APHA 4500-Cl <sup>-</sup> B	mg/L	Max 250	<b>31.57</b>
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	<b>56.4</b>
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	<b>67.68</b>
Iron (Fe)	APHA 3120 B	mg/L	Max 0.2	<b>&lt;0.05</b>
Copper (Cu)	APHA 3120 B	mg/L	Max 1.0	<b>&lt;0.05</b>
Silver (Ag)	APHA 3120 B	mg/L	Max 5.0	<b>&lt;0.05</b>

REMARKS: The sample meets RSB Water Quality Regulations (4<sup>th</sup> 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#: 61  
Test Method deviation : None  
The above test results are only applicable to the sample(s) referred above

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### TEST REPORT

REPORT NO: - QMTL/R-77992

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b>		
P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
<b>ATTN: Mr. JASMAN PINTO</b>		
Product: Water	Sampling Method: APHA 1060 B	Sample ID: QMTL/S- 77992
Reference: <b>HEALTH POINT HOSPITAL</b>	Sampled By: QMTL Representative	Date Received: 29.10.2019
<b>Sample Description:</b> P2- Water Tank No. 06, Copper Silver Ionisation Sample Onsite Temp: 17°C Sample Receipt Temp: 4°C	Source: Tank	Date(s) Tested: 29.10-02.11.2019
	Sample Container: 1x500 ml PB	Date Reported: 04.11.2019
	Sample Appearance: Clear	Date of Sampling: 29.10.2019
On-Site Treatment: NA	Tested by Emp#: 13	Location: AUH

### TEST RESULTS

PARAMETERS	TEST METHOD (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATION	RESULTS
<b>CHEMICAL ANALYSIS</b>				
pH @23.5°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	<b>7.78</b>
Conductivity @23.7°C	APHA 2510	µs/cm	-	<b>188.9</b>
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	<b>123</b>
Chloride (Cl)	APHA 4500-Cl <sup>-</sup> B	mg/L	Max 250	<b>32.6</b>
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	<b>58.28</b>
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	<b>69.56</b>
Iron (Fe)	APHA 3120 B	mg/L	Max 0.2	<b>&lt;0.05</b>
Copper (Cu)	APHA 3120 B	mg/L	Max 1.0	<b>&lt;0.05</b>
Silver (Ag)	APHA 3120 B	mg/L	Max 5.0	<b>&lt;0.05</b>

REMARKS: The sample meets RSB Water Quality Regulations (4<sup>th</sup> 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#: 61

Test Method deviation : None

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

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