

## TEST REPORT

Report No: QMTL/R-102026/2020

<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>		Sample ID	QMTL/S-102026
		Date Received	28 Apr2020
		Date(s) Tested	28 Apr 2020-30 Apr 2020
		Date Reported	07 May 2020
Sample Description	<b>L4 Cooling Tower - 1</b>		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital-AUH	Sampling Date/Time	NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	8°C	Sample On-site Temp	22.2°C
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>rd</sup> EDITION)	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS OF WATER</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
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NP: Not Provided
Test Method Deviation	None
Test performed by Emp#	14 & 74
Report prepared by Emp#	72
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-102027/2020

<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>		Sample ID	QMTL/S-102027
		Date Received	28 Apr2020
		Date(s) Tested	28 Apr 2020-30 Apr 2020
		Date Reported	07 May 2020
Sample Description	<b>L4 Cooling Tower - 2</b>		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital-AUH	Sampling Date/Time	NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	8°C	Sample On-site Temp	22°C
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>rd</sup> EDITION)	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS OF WATER</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>130</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
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NP: Not Provided
Test Method Deviation	None
Test performed by Emp#	14 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

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LABORATORY MANAGER

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**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-102028/2020

CLIENT: CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-102028
ATTN: Mr. JASMAN PINTO		Date Received	28 Apr 2020
Sample Description		Date(s) Tested	28 Apr 2020-30 Apr 2020
Sample Type		Date Reported	07 May 2020
L4 Cooling Tower - 3		Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital-AUH	Sampling Date/Time	NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	8°C	Sample On-site Temp	22.3°C
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>rd</sup> EDITION)	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS OF WATER</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>110</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
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided
Test Method Deviation	None
Test performed by Emp#	14 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

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END OF REPORT

## TEST REPORT

Report No: QMTL/R-102029/2020

<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>		Sample ID	QMTL/S-102029
		Date Received	28 Apr2020
		Date(s) Tested	28 Apr 2020-30 Apr 2020
		Date Reported	07 May 2020
Sample Description	<b>L4 Cooling Tower - 4</b>		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital-AUH	Sampling Date/Time	NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	8°C	Sample On-site Temp	23.1°C
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>rd</sup> EDITION)	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS OF WATER</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<b>76</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
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM:Dubai Municipality, NP: Not Provided
Test Method Deviation	None
Test performed by Emp#	14 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

**Reported By**

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**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-102036/2020

<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>		Sample ID	QMTL/S-102036
		Date Received	28 Apr 2020
		Date(s) Tested	28 Apr 2020- 30 Apr 2020
		Date Reported	07 May2020
Sample Description	<b>P1 Hydrotherapy pool</b>		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital-AUH	Sampling Date/Time	28.04.2020/3:30 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	8°C	Sample On-site Temp	NP
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATIONS	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	1000	<1

Remarks	The sample meets DM Water Systems quality specifications for Pool water with respect to the above test only
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, WI: Work Instruction
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Test Method Deviation	None
Test performed by Emp#	14 & 74
Report prepared by Emp#	72
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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**END OF REPORT**

**TEST REPORT**

Report No: QMTL/R-102034/2020

<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>		Sample ID	QMTL/S-102034
		Date Received	28 Apr 2020
		Date(s) Tested	28 Apr 2020-03 May 2020
		Date Reported	13 May 2020
Sample Description	<b>Copper - Silver Ionisation – P2 Water Tank # 05</b>		
Sample Type	Water	Sampling Method	NP
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	Client Representative
Location	Abu Dhabi	Sampling Date/Time	28.04.2020/ 3:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	8°C	Sample On-site Temp	22.5°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

**TEST RESULTS**

PARAMETERS	TEST METHODS (APHA 23 <sup>rd</sup> EDITION)	UNITS	LIMITS	RESULTS
<b>CHEMICAL ANALYSIS</b>				
pH @24.3°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	<b>7.15</b>
Conductivity @23.7°C	APHA 2510	µs/cm	-	<b>229</b>
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	<b>145</b>
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	<b>45</b>
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	<b>58.67</b>
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	<b>70.40</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.
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Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, NA: Not Applicable, NP: Not Provided, RSB: Regulation & Supervision Bureau
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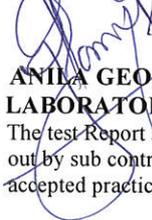
Test Method Deviation	None
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Test performed by Emp#	13
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Report prepared by Emp#	75
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The above test results are only applicable to the sample(s) referred above.

Reported By

  
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**LABORATORY MANAGER**

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## TEST REPORT

Report No: QMTL/R-102035/2020

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-102035
<b>ATTN: Mr. JASMAN PINTO</b>		Date Received	28 Apr 2020
		Date(s) Tested	28 Apr 2020-03 May 2020
		Date Reported	13 May 2020
Sample Description	<b>Copper - Silver Ionisation – P2 Water Tank # 06</b>		
Sample Type	Water	Sampling Method	NP
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	Client Representative
Location	Abu Dhabi	Sampling Date/Time	28.04.2020/ 3:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	8°C	Sample On-site Temp	22.5°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

### TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>rd</sup> EDITION)	UNITS	LIMITS	RESULTS
<b>CHEMICAL ANALYSIS</b>				
pH @24.3°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	<b>7.30</b>
Conductivity @24.1°C	APHA 2510	µs/cm	-	<b>253</b>
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	<b>152</b>
Chloride (Cl)	APHA 4500-Cl <sup>-</sup> B	mg/L	Max 250	<b>42.98</b>
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	<b>66.49</b>
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	<b>82.14</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.
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Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, NA: Not Applicable, NP: Not Provided, RSB: Regulation & Supervision Bureau
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Test Method Deviation	None
Test performed by Emp#	13
Report prepared by Emp#	75
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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