

**TEST REPORT**

Report No: QMTL/R-94774/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-94774
<b>ATTN : MR. JASMAN PINTO</b>		Date Received	23 Feb 2020
		Date(s) Tested	23 Feb 2020 - 25 Feb 2020
		Date Reported	02 Mar 2020
Sample Description	<b>Cooling Tower No: 1</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	23.02.2020/12:13 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	5.7°C	Sample Onsite Temp	24°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

**TEST RESULTS**

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	28x10 <sup>1</sup>
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

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, WI: Work Instruction, NA: Not Applicable, NP: Not Provided
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Test method deviation	None
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Test performed by Emp#	74 & 78
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Report prepared by Emp#	72
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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-94775/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-94775	
	Date Received	23 Feb 2020	
	Date(s) Tested	23 Feb 2020 - 25 Feb 2020	
	Date Reported	02 Mar 2020	
Sample Description	Cooling Tower No: 2		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	23.02.2020/12:20 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	5.7°C	Sample Onsite Temp	25°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	17x10 <sup>1</sup>
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

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, WI: Work Instruction, NA: Not Applicable, NP: Not Provided
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Test method deviation	None
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Test performed by Emp#	74 & 78
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Report prepared by Emp#	72
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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-94776/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-94776
		Date Received	23 Feb 2020
		Date(s) Tested	23 Feb 2020 - 25 Feb 2020
<b>ATTN : MR. JASMAN PINTO</b>		Date Reported	02 Mar 2020
Sample Description	<b>Cooling Tower No: 3</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	23.02.2020/12:27 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	5.7°C	Sample Onsite Temp	26°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	22x10 <sup>1</sup>
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

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, WI: Work Instruction, NA: Not Applicable, NP: Not Provided
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Test method deviation	None
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Test performed by Emp#	74 & 78
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Report prepared by Emp#	72
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**TEST REPORT**

Report No: QMTL/R-94777/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-94777	
	Date Received	23 Feb 2020	
	Date(s) Tested	23 Feb 2020 - 25 Feb 2020	
	Date Reported	02 Mar 2020	
Sample Description	<b>Cooling Tower No: 4</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	23.02.2020/12:40 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	5.7°C	Sample Onsite Temp	26°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

**TEST RESULTS**

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	42
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	19x10 <sup>1</sup>
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

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, WI: Work Instruction, NA: Not Applicable, NP: Not Provided
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Test method deviation	None
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Test performed by Emp#	74 & 78
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Report prepared by Emp#	72
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**END OF REPORT**

**TEST REPORT**

Report No: QMTL/R-94778/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-94778
ATTN : MR. JASMAN PINTO		Date Received	23 Feb 2020
		Date(s) Tested	23 Feb 2020 - 25 Feb 2020
		Date Reported	02 Mar 2020
Sample Description	P1 - Hydrotherapy Pool		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	23.02.2020/1:00 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	5°C	Sample Onsite Temp	25°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTH POINT HOSPITAL		

**TEST RESULTS**

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total bacterial count(Dip slide )	Kit Method	CFU/ml	1000	<1

Remarks	The sample meets DM Water Systems quality(2010) specifications for Pool Water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, DM: Dubai Municipality, WI:Work Instruction, NP:Not Provided, NA: Not Applicable
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Test method deviation	None
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Test performed by Emp#	78 & 55
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Report prepared by Emp#	72
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**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-94779/2020

<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-94779	
	Date Received	23 Feb 2020	
	Date(s) Tested	23 Feb 2020-27 Feb 2020	
	Date Reported	29 Feb 2020	
Sample Description	Copper Silver Ionisation, P2-Water Tank-5		
Sample Type	Water	Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	23.02.2020/11:30AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	5°C	Sample On-site Temp	29°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	7.54
Conductivity @24.3°C	APHA 2510	µs/cm	-	183.6
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	119.0
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	34.5
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	58.9
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	62.9
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 (4 <sup>th</sup> Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable, NP: Not Provided
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Test Method Deviation	None
Test performed by Emp#	27
Report prepared by Emp#	22
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## TEST REPORT

Report No: QMTL/R-94780/2020

<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-94780	
	Date Received	23 Feb 2020	
	Date(s) Tested	23 Feb 2020-27 Feb 2020	
	Date Reported	29 Feb 2020	
Sample Description	Copper Silver Ionisation, P2-Water Tank-6		
Sample Type	Water	Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	23.02.2020/11:45AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	5°C	Sample On-site Temp	20°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 @24.4°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	7.41
Conductivity @24.4°C	APHA 2510	µs/cm	-	196.4
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	128
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	34.9
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	55.0
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	60.9
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 (4 <sup>th</sup> Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable, NP: Not Provided
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Test Method Deviation	None
Test performed by Emp#	27
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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