

## TEST REPORT

Report No: QMTL/R-99292/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99292
ATTN : MR. JASMAN PINTO		Date Received	30 Mar 2020
		Date(s) Tested	30 Mar 2020 - 01 Apr 2020
		Date Reported	04 Apr 2020
Sample Description	L4-Cooling Tower-01		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital	Sampling Date/Time	30.03.2020/ 12:45 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	25°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

## 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	210
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, DM: Dubai Municipality, APHA: American Public Health Association, 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#	55 & 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-99293/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99293
ATTN : MR. JASMAN PINTO		Date Received	30 Mar 2020
		Date(s) Tested	30 Mar 2020 - 01 Apr 2020
		Date Reported	04 Apr 2020
Sample Description	L4-Cooling Tower-02		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital	Sampling Date/Time	30.03.2020/ 12:51 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	24.7°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

### 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	190
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, DM: Dubai Municipality, APHA: American Public Health Association, 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#	55 & 78
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Report prepared by Emp#	72
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**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-99294/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-99294	
	Date Received	30 Mar 2020	
	Date(s) Tested	30 Mar 2020 - 01 Apr 2020	
	Date Reported	04 Apr 2020	
Sample Description	<b>L4-Cooling Tower-03</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital	Sampling Date/Time	30.03.2020/ 12:56 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	29.2°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

## 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	250
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, DM: Dubai Municipality, APHA: American Public Health Association, 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#	55 & 78
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Report prepared by Emp#	72
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## TEST REPORT

Report No: QMTL/R-99295/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99295
		Date Received	30 Mar 2020
		Date(s) Tested	30 Mar 2020 - 01 Apr 2020
<b>ATTN : MR. JASMAN PINTO</b>		Date Reported	04 Apr 2020
Sample Description	<b>L4-Cooling Tower-04</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital	Sampling Date/Time	30.03.2020/ 12:59 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	28.7°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

## 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	290
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, DM: Dubai Municipality, APHA: American Public Health Association, WI: Work Instruction, NA: Not Applicable, NP: Not Provided
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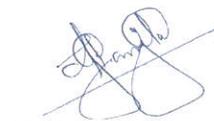
Test method deviation	None
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Test performed by Emp#	55 & 78
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Report prepared by Emp#	72
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## TEST REPORT

Report No: QMTL/R-99291/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-99291	
	Date Received	30 Mar 2020	
	Date(s) Tested	30 Mar 2020 - 01 Apr 2020	
	Date Reported	04 Apr 2020	
Sample Description	<b>Hydrotherapy Pool</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital	Sampling Date/Time	30.03.2020/ 12:15 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4.5°C	Sample Onsite Temp	31°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<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 tests only.
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Keywords	CFU: Colony Forming Unit, DM: Dubai Municipality, APHA: American Public Health Association, 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#	55 & 78
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Report prepared by Emp#	72
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**LABORATORY MANAGER**

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## TEST REPORT

Report No: QMTL/R-99296/2020

<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-99296	
	Date Received	30 Mar 2020	
	Date(s) Tested	30 Mar 2020-03 Apr 2020	
	Date Reported	05 Apr 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 05		
Sample Type	Water	Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	30.03.2020/ 01:08 PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample On-site Temp	30°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 @24.1°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	7.62
Conductivity @24.1°C	APHA 2510	µs/cm	-	207
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	133
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	32.8
Calcium Hardness as CaCO <sub>3</sub>	APHA 3500-Ca B	mg/L	Max 200	57.0
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C	mg/L	Max 300	58.9
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#	13
Report prepared by Emp#	75
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## TEST REPORT

Report No: QMTL/R-99297/2020

<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-99297
		Date Received	30 Mar 2020
		Date(s) Tested	30 Mar 2020-03 Apr 2020
		Date Reported	05 Apr 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	30.03.2020/ 01:13 PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample On-site Temp	14.4°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 @24.1°C	APHA 4500-H <sup>+</sup> B	--	7.0 - 9.2	7.29
Conductivity @24.1°C	APHA 2510	µs/cm	-	205
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	132
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	33.02
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	58.9
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#	13
Report prepared by Emp#	75
The above test results are only applicable to the sample(s) referred above.	

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