

## TEST REPORT

Report No: QMTL/R-94345/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-94345	
	Date Received	20 Feb 2020	
	Date(s) Tested	20 Feb 2020 - 22 Feb 2020	
	Date Reported	29 Feb 2020	
Sample Description	<b>Make-Up Water,L-4, Cooling Tower - 01</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	20.02.2020/12:30 PM
Sample Container	1x500ml PB	Sampling Point	Tap
Sample Receipt Temp	5°C	Sample Onsite Temp	24.5°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	500	4
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero
Remarks	The sample meets DM Water Systems quality 2010 specifications for Hot & Cold Water System with respect to the above tests only.			
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction			
Test method deviation	None			
Test performed by Emp#	55 & 78 & 74			
Report prepared by Emp#	22			
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-94346/2020

<b>CLIENT</b> : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN</b> : MR. JASMAN PINTO	Sample ID	QMTL/S-94346	
	Date Received	20 Feb 2020	
	Date(s) Tested	20 Feb 2020 - 22 Feb 2020	
	Date Reported	29 Feb 2020	
Sample Description	Make-Up Water,L-4, Cooling Tower - 02		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	20.02.2020/12:40 PM
Sample Container	1x500ml PB	Sampling Point	Tap
Sample Receipt Temp	5°C	Sample Onsite Temp	24.8°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	500	2
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero
Remarks	The sample meets DM Water Systems quality 2010 specifications for Hot & Cold Water System with respect to the above tests only.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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Test method deviation	None
Test performed by Emp#	55 & 78 & 74
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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## TEST REPORT

Report No: QMTL/R-94347/2020

<b>CLIENT</b> : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN</b> : MR. JASMAN PINTO	Sample ID	QMTL/S-94347	
	Date Received	20 Feb 2020	
	Date(s) Tested	20 Feb 2020 - 22 Feb 2020	
	Date Reported	29 Feb 2020	
Sample Description	Make-Up Water,L-4, Cooling Tower - 03		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	20.02.2020/01:00 PM
Sample Container	1x500ml PB	Sampling Point	Tap
Sample Receipt Temp	5°C	Sample Onsite Temp	25.2°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	500	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero
Remarks	The sample meets DM Water Systems quality 2010 specifications for Hot & Cold Water System with respect to the above tests only.			
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction			
Test method deviation	None			
Test performed by Emp#	55 & 78 & 74			
Report prepared by Emp#	22			
The above test results are only applicable to the sample(s) referred above.				

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## TEST REPORT

Report No: QMTL/R-94348/2020

<b>CLIENT</b> : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN</b> : MR. JASMAN PINTO	Sample ID	QMTL/S-94348	
	Date Received	20 Feb 2020	
	Date(s) Tested	20 Feb 2020 - 22 Feb 2020	
	Date Reported	29 Feb 2020	
Sample Description	Make-Up Water,L-4, Cooling Tower - 04		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	20.02.2020/01:05 PM
Sample Container	1x500ml PB	Sampling Point	Tap
Sample Receipt Temp	5°C	Sample Onsite Temp	24.6°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	500	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero
Remarks	The sample meets DM Water Systems quality 2010 specifications for Hot & Cold Water System with respect to the above tests only.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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Test method deviation	None
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Test performed by Emp#	55 & 78 & 74
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Report prepared by Emp#	22
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The above test results are only applicable to the sample(s) referred above.

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## TEST REPORT

Report No: QMTL/R-94105/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-94105	
	Date Received	19 Feb 2020	
	Date(s) Tested	19 Feb 2020 - 29 Feb 2020	
	Date Reported	02 Mar 2020	
Sample Description	L-4, Cooling Tower - 1		
Sample Type	Water	Sampling Method	QMTL-WI-16
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	19.02.2020/10:08 AM
Sample Container	1x1L PB	Sampling Point	Sink
Sample Receipt Temp	16°C	Sample Onsite Temp	23°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>LEGIONELLA ANALYSIS</b>				
Legionella	CCFRA 3.9.1 (5th Edition)	CFU/litre	1000	Not Detected
Legionella pneumophila sero group 1	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella pneumophila sero group 2-15	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella Species	CCFRA 3.9.1 (5th Edition)	-	-	Absent

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, CCFRA: Campden & Chorleywood Food Research Association, 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#	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.

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## TEST REPORT

Report No: QMTL/R-94106/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-94106
<b>ATTN : MR. JASMAN PINTO</b>		Date Received	19 Feb 2020
		Date(s) Tested	19 Feb 2020 - 29 Feb 2020
		Date Reported	02 Mar 2020
Sample Description	L-4, Cooling Tower - 2		
Sample Type	Water	Sampling Method	QMTL-WI-16
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	19.02.2020/10:15 AM
Sample Container	1x1L PB	Sampling Point	Sink
Sample Receipt Temp	16°C	Sample Onsite Temp	25.2°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>LEGIONELLA ANALYSIS</b>				
Legionella	CCFRA 3.9.1 (5th Edition)	CFU/litre	1000	Not Detected
Legionella pneumophila sero group 1	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella pneumophila sero group 2-15	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella Species	CCFRA 3.9.1 (5th Edition)	-	-	Absent

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, CCFRA: Campden & Chorleywood Food Research Association, 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#	74 & 78
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Report prepared by Emp#	72
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## TEST REPORT

Report No: QMTL/R-94107/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample ID</td> <td>QMTL/S-94107</td> </tr> <tr> <td>Date Received</td> <td>19 Feb 2020</td> </tr> <tr> <td>Date(s) Tested</td> <td>19 Feb 2020 - 29 Feb 2020</td> </tr> <tr> <td>Date Reported</td> <td>02 Mar 2020</td> </tr> </table>	Sample ID	QMTL/S-94107	Date Received	19 Feb 2020	Date(s) Tested	19 Feb 2020 - 29 Feb 2020	Date Reported	02 Mar 2020
Sample ID	QMTL/S-94107								
Date Received	19 Feb 2020								
Date(s) Tested	19 Feb 2020 - 29 Feb 2020								
Date Reported	02 Mar 2020								
Sample Description	<b>L-4, Cooling Tower - 3</b>								
Sample Type	Water	Sampling Method	QMTL-WI-16						
Client Name/Project	NP	Sampled By	QMTL Representative						
Location	AUH	Sampling Date/Time	19.02.2020/10:21 AM						
Sample Container	1x1L PB	Sampling Point	Sink						
Sample Receipt Temp	16°C	Sample Onsite Temp	21.6°C						
Sample Appearance	Clear	On-site Treatment	NA						
Reference	HEALTHPOINT HOSPITAL								

### TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>LEGIONELLA ANALYSIS</b>				
Legionella	CCFRA 3.9.1 (5th Edition)	CFU/litre	1000	Not Detected
Legionella pneumophila sero group 1	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella pneumophila sero group 2-15	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella Species	CCFRA 3.9.1 (5th Edition)	-	-	Absent

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, CCFRA: Campden & Chorleywood Food Research Association, 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#	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.

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**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-94108/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> <b>Abu Dhabi PO Box : 131463</b> <b>United Arab Emirates</b>  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-94108		
	Date Received	19 Feb 2020		
	Date(s) Tested	19 Feb 2020 - 29 Feb 2020		
	Date Reported	02 Mar 2020		
Sample Description	<b>L-4, Cooling Tower - 4</b>			
Sample Type	Water	Sampling Method	QMTL-WI-16	
Client Name/Project	NP	Sampled By	QMTL Representative	
Location	AUH	Sampling Date/Time	19.02.2020/10:29 AM	
Sample Container	1x1L PB	Sampling Point	Sink	
Sample Receipt Temp	16°C	Sample Onsite Temp	21.1°C	
Sample Appearance	Clear	On-site Treatment	NA	
Reference	HEALTHPOINT HOSPITAL			

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>LEGIONELLA ANALYSIS</b>				
Legionella	CCFRA 3.9.1 (5th Edition)	CFU/litre	1000	Not Detected
Legionella pneumophila sero group 1	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella pneumophila sero group 2-15	CCFRA 3.9.1 (5th Edition)	-	-	Absent
Legionella Species	CCFRA 3.9.1 (5th Edition)	-	-	Absent

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, CCFRA: Campden & Chorleywood Food Research Association, 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#	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.

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