

**TEST REPORT**

Report No: QMTL/R-124712/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-124712	
	Date Received	24 Sep 2020	
	Date(s) Tested	24 Sep 2020 - 26 Sep 2020	
	Date Reported	30 Sep 2020	
Sample Description	<b>P1 - Hydrotherapy Pool</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 12:15 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	30°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 )	Kit Method	CFU/ml	1000	<1
Remarks	The sample meets DM Public swimming pool safety guidelines(2019,Doc Ref.:DM-PH&SD-GU81-PSPS2) specifications for Pool Water 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, Doc Ref.: Document Reference			
Test method deviation	None			
Test performed by Emp#	55 & 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-124713/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN : MR. JASMAN PINTO</b>	Sample ID	QMTL/S-124713		
	Date Received	24 Sep 2020		
	Date(s) Tested	24 Sep 2020 - 26 Sep 2020		
	Date Reported	30 Sep 2020		
Sample Description	L-4, Cooling Tower - 1			
Sample Type	Water	Sampling Method	QMTL-WI-15	
Client Name/Project	NP	Sampled By	QMTL Representative	
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 12:25 PM	
Sample Container	1x500ml PB	Sampling Point	Tank	
Sample Receipt Temp	4°C	Sample Onsite Temp	24°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	120
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, 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 & 74
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Report prepared by Emp#	72
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**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-124714/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-124714
ATTN : MR. JASMAN PINTO		Date Received	24 Sep 2020
		Date(s) Tested	24 Sep 2020 - 26 Sep 2020
		Date Reported	30 Sep 2020
Sample Description	L-4, Cooling Tower - 2		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 12:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	24°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	70
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.

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 & 74

Report prepared by Emp#: 72

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## TEST REPORT

Report No: QMTL/R-124715/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-124715
		Date Received	24 Sep 2020
		Date(s) Tested	24 Sep 2020 - 26 Sep 2020
<b>ATTN : MR. JASMAN PINTO</b>		Date Reported	30 Sep 2020
Sample Description	L-4, Cooling Tower - 3		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 12:35 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	24°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	30
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, 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 & 74
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Report prepared by Emp#	72
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## TEST REPORT

Report No: QMTL/R-124716/2020

<b>CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES</b> Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-124716
		Date Received	24 Sep 2020
		Date(s) Tested	24 Sep 2020 - 26 Sep 2020
		Date Reported	30 Sep 2020
<b>ATTN : MR. JASMAN PINTO</b>			
Sample Description	L-4, Cooling Tower - 4		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 12:40 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	30°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	110
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, 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 & 74
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Report prepared by Emp#	72
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## TEST REPORT

Report No: QMTL/R-124718/2020

<b>CLIENT</b> : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN</b> : MR. JASMAN PINTO	Sample ID	QMTL/S-124718	
	Date Received	24 Sep 2020	
	Date(s) Tested	24 Sep 2020 - 30 Sep 2020	
	Date Reported	04 Oct 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 05		
Sample Type	Water	Sampling Method	QMTL-SOP-128
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 01:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	35°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

### TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>CHEMICAL PARAMETERS</b>				
Calcium Hardness	APHA 3500-Ca B (23rd Edition)	mg/L	Max 200	54.3
Chloride	APHA 4500 Cl <sup>-</sup> B (23rd Edition)	mg/L	Max 250	76.0
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	360@24.3°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	8.01@24.4°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	234
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C (23rd Edition)	mg/L	Max 300	89.3
<b>METALS</b>				
Copper	APHA 3120 B (23rd Edition)	mg/L	Max 1.0	<0.05
Iron	APHA 3120 B (23rd Edition)	mg/L	Max 0.20	<0.05
Silver	APHA 3120 B (23rd Edition)	mg/L	-	<0.05
Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.			
Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NA: Not Applicable, NP: Not Provided			
Test method deviation	None			
Test performed by Emp#	13			
Report prepared by Emp#	22			
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## TEST REPORT

Report No: QMTL/R-124719/2020

<b>CLIENT</b> : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates  <b>ATTN</b> : MR. JASMAN PINTO	Sample ID	QMTL/S-124719	
	Date Received	24 Sep 2020	
	Date(s) Tested	24 Sep 2020 - 30 Sep 2020	
	Date Reported	04 Oct 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	QMTL-SOP-128
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	24.09.2020 / 01:10 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	21°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

### TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>CHEMICAL PARAMETERS</b>				
Calcium Hardness	APHA 3500-Ca B (23rd Edition)	mg/L	Max 200	62.1
Chloride	APHA 4500 Cl <sup>-</sup> B (23rd Edition)	mg/L	Max 250	49.4
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	358@24.3°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	8.23@24.4°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	232
Total Hardness as (CaCO <sub>3</sub> )	APHA 2340-C (23rd Edition)	mg/L	Max 300	73.7
<b>METALS</b>				
Copper	APHA 3120 B (23rd Edition)	mg/L	Max 1.0	<0.05
Iron	APHA 3120 B (23rd Edition)	mg/L	Max 0.20	<0.05
Silver	APHA 3120 B (23rd Edition)	mg/L	-	<0.05
Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.			
Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NA: Not Applicable, NP: Not Provided			
Test method deviation	None			
Test performed by Emp#	13			
Report prepared by Emp#	22			
The above test results are only applicable to the sample(s) referred above.				

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