

TEST REPORT

Report No: QMTL/R-134734/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-134734
ATTN : MR. JASMAN PINTO		Date Received	17 Nov 2020
		Date(s) Tested	17 Nov 2020 - 19 Nov 2020
		Date Reported	23 Nov 2020
Sample Description	PI, Hydrotherapy Pool		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	17.11.2020 / 01:05 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	24.6°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
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.
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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, Doc Ref.: Document Reference
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Test method deviation	None
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Test performed by Emp#	74 & 13
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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



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LABORATORY MANAGER

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END OF REPORT

TEST REPORT

Report No: QMTL/R-134848/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-134848
		Date Received	17 Nov 2020
		Date(s) Tested	17 Nov 2020 - 19 Nov 2020
		Date Reported	24 Nov 2020
Sample Description	L4, 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	17.11.2020 / 1:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	26.5°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	110
Total Coliforms	APHA 9222 B (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
E.coli	APHA 9222 H & I (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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-134849/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-134849
		Date Received	17 Nov 2020
		Date(s) Tested	17 Nov 2020 - 19 Nov 2020
		Date Reported	24 Nov 2020
Sample Description	L4, 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	17.11.2020 / 2:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	29°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	180
Total Coliforms	APHA 9222 B (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
E.coli	APHA 9222 H & I (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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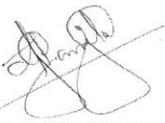
Test method deviation	None
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Test performed by Emp#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-134850/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-134850
		Date Received	17 Nov 2020
		Date(s) Tested	17 Nov 2020 - 19 Nov 2020
ATTN : MR. JASMAN PINTO		Date Reported	24 Nov 2020
Sample Description	L4, 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	17.11.2020 / 2:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	27.5°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	110
Total Coliforms	APHA 9222 B (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
E.coli	APHA 9222 H & I (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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-134851/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-134851
		Date Received	17 Nov 2020
		Date(s) Tested	17 Nov 2020 - 19 Nov 2020
		Date Reported	24 Nov 2020
Sample Description	L4, 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	17.11.2020 / 3:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	31.1°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	120
Total Coliforms	APHA 9222 B (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
E.coli	APHA 9222 H & I (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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-134818/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-134818	
	Date Received	17 Nov 2020	
	Date(s) Tested	17 Nov 2020 - 21 Nov 2020	
	Date Reported	25 Nov 2020	
ATTN : MR. JASMAN PINTO			
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	17.11.2020/04:10 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	33°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
CHEMICAL PARAMETERS				
Calcium Hardness	APHA 3500-Ca B (23rd Edition)	mg/L	Max 200	58.5
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	23.0
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	210@24.2°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.54@24.1°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	136.0
Total Hardness as (CaCO ₃)	APHA 2340-C (23rd Edition)	mg/L	Max 300	62.2
METALS				
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, NA: Not Applicable, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, 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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TEST REPORT

Report No: QMTL/R-134819/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-134819	
	Date Received	17 Nov 2020	
	Date(s) Tested	17 Nov 2020 - 21 Nov 2020	
	Date Reported	25 Nov 2020	
ATTN : MR. JASMAN PINTO			
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	17.11.2020/04:35 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	35.1°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
CHEMICAL PARAMETERS				
Calcium Hardness	APHA 3500-Ca B (23rd Edition)	mg/L	Max 200	56.6
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	21.5
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	208.2@24.2°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.32@24.1°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	135.0
Total Hardness as (CaCO ₃)	APHA 2340-C (23rd Edition)	mg/L	Max 300	60.3
METALS				
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, NA: Not Applicable, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NP: Not Provided.
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Test method deviation	None
Test performed by Emp#	13
Report prepared by Emp#	22

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