

TEST REPORT

Report No: QMTL/R-121569/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-121569
ATTN : MR. JASMAN PINTO		Date Received	10 Sep 2020
		Date(s) Tested	10 Sep 2020 - 12 Sep 2020
		Date Reported	14 Sep 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	10.09.2020 / 04:30 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	22°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
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	130
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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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-121570/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-121570
ATTN : MR. JASMAN PINTO		Date Received	10 Sep 2020
		Date(s) Tested	10 Sep 2020 - 12 Sep 2020
		Date Reported	14 Sep 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	10.09.2020 / 04:35 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
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
MICROBIOLOGICAL ANALYSIS				
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	<1
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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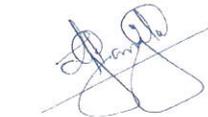
Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-121571/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-121571
ATTN : MR. JASMAN PINTO		Date Received	10 Sep 2020
		Date(s) Tested	10 Sep 2020 - 12 Sep 2020
		Date Reported	14 Sep 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	10.09.2020 / 04:40 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	21.5°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
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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Report No: QMTL/R-121572/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-121572
ATTN : MR. JASMAN PINTO		Date Received	10 Sep 2020
		Date(s) Tested	10 Sep 2020 - 12 Sep 2020
		Date Reported	14 Sep 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	10.09.2020 / 04:50 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	27°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
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	8
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-121568/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-121568
ATTN : MR. JASMAN PINTO		Date Received	10 Sep 2020
		Date(s) Tested	10 Sep 2020 - 12 Sep 2020
		Date Reported	14 Sep 2020
Sample Description	P1, 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	10.09.2020 / 04:00 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	32.5°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.			
Keywords	CFU: Colony Forming Unit, 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			
The above test results are only applicable to the sample(s) referred above.				

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Report No: QMTL/R-121566/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-121566
ATTN : MR. JASMAN PINTO		Date Received	10 Sep 2020
		Date(s) Tested	10 Sep 2020 - 14 Sep 2020
		Date Reported	17 Sep 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	10.09.2020 / 04:10 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	27°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
CHEMICAL PARAMETERS				
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	71.7
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	249 @23.5°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.47 @24.3°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	163.0
Total Hardness as (CaCO ₃)	APHA 2340-C (23rd Edition)	mg/L	Max 300	69.89
Calcium Hardness	APHA 3500-Ca B (23rd Edition)	mg/L	Max 200	66.0
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	Max 5.0	<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#	67
Report prepared by Emp#	22
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Report No: QMTL/R-121567/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-121567	
	Date Received	10 Sep 2020	
	Date(s) Tested	10 Sep 2020 - 14 Sep 2020	
	Date Reported	17 Sep 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	10.09.2020 / 04:20 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	19°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
CHEMICAL PARAMETERS				
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	70.3
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	247 @ 23.7°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.58 @ 24.1°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	161.0
Total Hardness as (CaCO ₃)	APHA 2340-C (23rd Edition)	mg/L	Max 300	66.01
Calcium Hardness	APHA 3500-Ca B (23rd Edition)	mg/L	Max 200	62.1
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	Max 5.0	<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#	67
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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