

TEST REPORT

Report No: QMTL/R-110257/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110257
		Date Received	06 Jul 2020
		Date(s) Tested	06 Jul 2020 - 08 Jul 2020
		Date Reported	09 Jul 2020
ATTN : MR. JASMAN PINTO			
Sample Description	Hydrotherapy Pool		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, AUH	Sampling Date/Time	06.07.2020/ 9:20 AM
Sample Container	1x1 Dipslide	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	35.1°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 Water Systems quality (2010) 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
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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-110260/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110260	
	Date Received	06 Jul 2020	
	Date(s) Tested	06 Jul 2020 - 08 Jul 2020	
	Date Reported	09 Jul 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, AUH	Sampling Date/Time	06.07.2020/ 10:30 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	28.2°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	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-110261/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110261
ATTN : MR. JASMAN PINTO		Date Received	06 Jul 2020
		Date(s) Tested	06 Jul 2020 - 08 Jul 2020
		Date Reported	09 Jul 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, AUH	Sampling Date/Time	06.07.2020/ 10:40 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	27.2°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	98
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-110262/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-110262
		Date Received	06 Jul 2020
		Date(s) Tested	06 Jul 2020 - 08 Jul 2020
		Date Reported	09 Jul 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, AUH	Sampling Date/Time	06.07.2020/ 10:50 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	35°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	150
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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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-110263/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-110263
		Date Received	06 Jul 2020
		Date(s) Tested	06 Jul 2020 - 08 Jul 2020
		Date Reported	09 Jul 2020
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, AUH	Sampling Date/Time	06.07.2020/ 11:00 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	29.8°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	85
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-110258/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 ATTN: Mr. JASMAN PINTO	Sample ID	QMTL/S-110258	
	Date Received	06 Jul 2020	
	Date(s) Tested	06 Jul 2020-09 Jul 2020	
	Date Reported	11 Jul 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 05		
Sample Type	Water	Sampling Method	NP
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	Client Representative
Location	Abu Dhabi	Sampling Date/Time	06.07.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample On-site Temp	35.1°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 rd EDITION)	UNITS	LIMITS	RESULTS
CHEMICAL ANALYSIS				
pH @24.2°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.46
Conductivity @24.1°C	APHA 2510	µs/cm	-	209
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min 100 – Max 1000	135
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	30
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	57.1
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	62.8
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 th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	pH: Potential Hydrogen, 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-110259/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 ATTN: Mr. JASMAN PINTO		Sample ID	QMTL/S-110259
		Date Received	06 Jul 2020
		Date(s) Tested	06 Jul 2020-09 Jul 2020
		Date Reported	11 Jul 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	NP
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	Client Representative
Location	Abu Dhabi	Sampling Date/Time	06.07.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample On-site Temp	18.8°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 rd EDITION)	UNITS	LIMITS	RESULTS
CHEMICAL ANALYSIS				
pH @24.1°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.62
Conductivity @24.2°C	APHA 2510	µs/cm	-	211
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	136
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	30.3
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	59
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	60.9
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

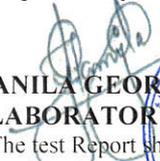
Remarks	The sample meets RSB Water Quality Regulations (4 th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision 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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