

TEST REPORT

Report No: QMTL/R-100409/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-100409	
	Date Received	11 Apr 2020	
	Date(s) Tested	11 Apr 2020 - 13 Apr 2020	
	Date Reported	16 Apr 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	Sampling Date/Time	11.04.2020/ 2:20 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower-1
Sample Receipt Temp	4.5°C	Sample Onsite Temp	20°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	140
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
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Test method deviation	None
Test performed by Emp#	78 & 55
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

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Report No: QMTL/R-100410/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-100410	
	Date Received	11 Apr 2020	
	Date(s) Tested	11 Apr 2020 - 13 Apr 2020	
	Date Reported	16 Apr 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	Sampling Date/Time	11.04.2020/ 2:40 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower-2
Sample Receipt Temp	4.5°C	Sample Onsite Temp	21.3°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	240
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
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Test method deviation	None
Test performed by Emp#	78 & 55
Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-100411/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-100411	
	Date Received	11 Apr 2020	
	Date(s) Tested	11 Apr 2020 - 13 Apr 2020	
	Date Reported	16 Apr 2020	
ATTN : MR. JASMAN PINTO			
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	Sampling Date/Time	11.04.2020/ 2:50 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower- 3
Sample Receipt Temp	4.5°C	Sample Onsite Temp	25°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	160
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
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Test method deviation	None
Test performed by Emp#	78 & 55
Report prepared by Emp#	72
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Report No: QMTL/R-100412/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-100412	
	Date Received	11 Apr 2020	
	Date(s) Tested	11 Apr 2020 - 13 Apr 2020	
	Date Reported	16 Apr 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	Sampling Date/Time	11.04.2020/ 3:00 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower- 4
Sample Receipt Temp	4.5°C	Sample Onsite Temp	26.1°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	260
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
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Test method deviation	None
Test performed by Emp#	78 & 55
Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-100408/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-100408	
	Date Received	11 Apr 2020	
	Date(s) Tested	11 Apr 2020 - 13 Apr 2020	
	Date Reported	16 Apr 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	Sampling Date/Time	11.04.2020/ 2:00 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4.5°C	Sample Onsite Temp	30°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	CFU/ml	1000	<1
Remarks	The sample meets DM Water Systems quality (2010) specifications for Pool Water with respect to the above test only.			

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Test performed by Emp#	78 & 55
Report prepared by Emp#	72

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TEST REPORT

Report No: QMTL/R-100406/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-100406
ATTN: Mr. JASMAN PINTO		Date Received	11 Apr 2020
Sample Description		Date(s) Tested	11 Apr 2020 - 13 Apr 2020
Sample Type		Date Reported	14 Apr 2020
Copper - Silver Ionisation – P2 Water Tank # 05		Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	11.04.2020/ 01:30 PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample On-site Temp	28°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	7.64
Conductivity @24.1°C	APHA 2510	µs/cm	-	188.7
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	120
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	33.3
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	57.0
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	61
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	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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Report No: QMTL/R-100407/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-100407
ATTN: Mr. JASMAN PINTO		Date Received	11 Apr 2020
		Date(s) Tested	11 Apr 2020 - 13 Apr 2020
		Date Reported	14 Apr 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	11.04.2020/ 01:30 PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample On-site Temp	16.5°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	7.56
Conductivity @24.1°C	APHA 2510	µs/cm	-	189.2
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	121
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	33.5
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	57.0
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	59.0
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	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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