

TEST REPORT

Report No: QMTL/R-99918/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99918
ATTN : MR. JASMAN PINTO		Date Received	06 Apr 2020
		Date(s) Tested	06 Apr 2020 - 08 Apr 2020
		Date Reported	18 Apr 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	Sampling Date/Time	06.04.2020/ 10:15 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	19°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	68
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#	74 & 78
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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-99919/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99919
		Date Received	06 Apr 2020
		Date(s) Tested	06 Apr 2020 - 08 Apr 2020
ATTN : MR. JASMAN PINTO		Date Reported	18 Apr 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	Sampling Date/Time	06.04.2020/ 10:20 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	19.7°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.
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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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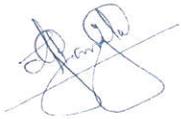
Test method deviation	None
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Test performed by Emp#	74 & 78
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-99920/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99920
		Date Received	06 Apr 2020
		Date(s) Tested	06 Apr 2020 - 08 Apr 2020
ATTN : MR. JASMAN PINTO		Date Reported	18 Apr 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	Sampling Date/Time	06.04.2020/ 10:25 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°C	Sample Onsite Temp	28°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	32
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#	74 & 78
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-99921/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-99921
		Date Received	06 Apr 2020
		Date(s) Tested	06 Apr 2020 - 08 Apr 2020
		Date Reported	18 Apr 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	Sampling Date/Time	06.04.2020/ 10:30 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4.5°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	180
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#	74 & 78
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-99915/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-99915
ATTN : MR. JASMAN PINTO		Date Received	06 Apr 2020
		Date(s) Tested	06 Apr 2020 - 08 Apr 2020
		Date Reported	18 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	06.04.2020/ 10:30 AM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4.5°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	CFU/ml	1000	<1
Remarks	The sample meets DM Water Systems quality (2010) specifications for Pool Water with respect to the above tests only.			

Keywords	CFU: Colony Forming Unit, WI: Work Instruction, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable.
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Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	72

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TEST REPORT

Report No: QMTL/R-99916/2020

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-99916
		Date Received	06 Apr 2020
		Date(s) Tested	06 Apr 2020- 08 Apr 2020
		Date Reported	11 Apr 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 5		
Sample Type	Water	Sampling Method	QMTL-SOP-128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	HEALTH POINT HOSPITAL, AUH	Sampling Date/Time	06.04.2020/ 10:40 AM
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	SPECIFICATIONS	RESULTS
CHEMICAL ANALYSIS				
pH @24°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.47
Conductivity @24.1°C	APHA 2510	µs/cm	-	196.7
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	125
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	34.2
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	55.0
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	58.9
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	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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-99917/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES		Sample ID	QMTL/S-99917
P.O.Box.131463, Abu Dhabi, U.A.E		Date Received	06 Apr 2020
Ph:02-6508930/0557167017		Date(s) Tested	06 Apr 2020- 08 Apr 2020
ATTN: Mr. JASMAN PINTO		Date Reported	11 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	HEALTH POINT HOSPITAL, AUH	Sampling Date/Time	06.04.2020/ 10:50 AM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample On-site Temp	17°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
CHEMICAL ANALYSIS				
pH @24.1°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.52
Conductivity @24.1°C	APHA 2510	µs/cm	-	197.6
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	126
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	34.7
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	53.1
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	55.0
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	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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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