

TEST REPORT

Report No: QMTL/R-128155/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-128155
ATTN : MR. JASMAN PINTO		Date Received	12 Oct 2020
		Date(s) Tested	12 Oct 2020 - 14 Oct 2020
		Date Reported	17 Oct 2020
Sample Description	P-1, 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	12.10.2020 / 02:50 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	36°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
Test performed by Emp#	14 & 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-128158/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-128158
ATTN : MR. JASMAN PINTO		Date Received	12 Oct 2020
		Date(s) Tested	12 Oct 2020 - 14 Oct 2020
		Date Reported	17 Oct 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, Abu Dhabi	Sampling Date/Time	12.10.2020 / 03:25 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	3
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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-128159/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-128159
		Date Received	12 Oct 2020
		Date(s) Tested	12 Oct 2020 - 14 Oct 2020
		Date Reported	17 Oct 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, Abu Dhabi	Sampling Date/Time	12.10.2020 / 03:30 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°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	<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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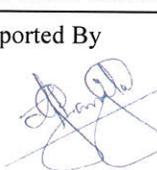
Test method deviation	None
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Test performed by Emp#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-128160/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-128160
ATTN : MR. JASMAN PINTO		Date Received	12 Oct 2020
		Date(s) Tested	12 Oct 2020 - 14 Oct 2020
		Date Reported	17 Oct 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, Abu Dhabi	Sampling Date/Time	12.10.2020 / 03:35 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°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	2
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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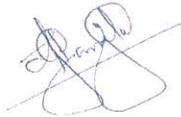
Test method deviation	None
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Test performed by Emp#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-128161/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-128161
ATTN : MR. JASMAN PINTO		Date Received	12 Oct 2020
		Date(s) Tested	12 Oct 2020 - 14 Oct 2020
		Date Reported	17 Oct 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, Abu Dhabi	Sampling Date/Time	12.10.2020 / 03:45 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	31°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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-128156/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-128156	
	Date Received	12 Oct 2020	
	Date(s) Tested	12 Oct 2020 - 15 Oct 2020	
	Date Reported	17 Oct 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	12.10.2020 / 03:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	36°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	60.2
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	48.8
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	209.2@24.1°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.52@24.1°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	134
Total Hardness as (CaCO ₃)	APHA 2340-C (23rd Edition)	mg/L	Max 300	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	-	<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, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NA: Not Applicable, 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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TEST REPORT

Report No: QMTL/R-128157/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-128157	
	Date Received	12 Oct 2020	
	Date(s) Tested	12 Oct 2020 - 15 Oct 2020	
	Date Reported	17 Oct 2020	
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	12.10.2020 / 03:10 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	20°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	56.3
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	49.3
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	207.4@24.1°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.67@24.1°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	135
Total Hardness as (CaCO ₃)	APHA 2340-C (23rd Edition)	mg/L	Max 300	60.2
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, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NA: Not Applicable, NP: Not Provided.
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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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