

TEST REPORT

Report No: QMTL/R-108249/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-108249
		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020 - 23 Jun 2020
		Date Reported	05 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	21.06.2020/ 2:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	3.5°C	Sample Onsite Temp	31.6°C
Sample Appearance	Clear	On-site Treatment	NP
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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The above test results are only applicable to the sample(s) referred above.

Reported By



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LABORATORY MANAGER



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END OF REPORT

TEST REPORT

Report No: QMTL/R-108250/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-108250
		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020 - 23 Jun 2020
		Date Reported	05 Jul 2020
ATTN : MR. JASMAN PINTO			
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	21.06.2020/ 2:40 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	3.5°C	Sample Onsite Temp	33.6°C
Sample Appearance	Clear	On-site Treatment	NP
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	170
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
Test performed by Emp#	55 & 74
Report prepared by Emp#	72

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END OF REPORT

TEST REPORT

Report No: QMTL/R-108251/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-108251
ATTN : MR. JASMAN PINTO		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020 - 23 Jun 2020
		Date Reported	05 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	21.06.2020/ 2:50 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	3.5°C	Sample Onsite Temp	31.6°C
Sample Appearance	Clear	On-site Treatment	NP
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	90
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-108252/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-108252
ATTN : MR. JASMAN PINTO		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020 - 23 Jun 2020
		Date Reported	05 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	21.06.2020/ 3:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	3.5°C	Sample Onsite Temp	32.8°C
Sample Appearance	Clear	On-site Treatment	NP
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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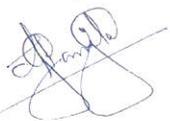
Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-108253/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-108253
		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020 - 23 Jun 2020
		Date Reported	05 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	21.06.2020/ 3:15 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	3.5°C	Sample Onsite Temp	33.1°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

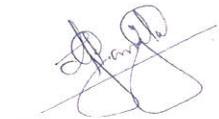
Remarks	The sample meets DM Water Systems quality (2010) specifications for Pool Water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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Test method deviation	None
Test performed by Emp#	14
Report prepared by Emp#	72

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TEST REPORT

Report No: QMTL/R-108254/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-108254
		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020-24 Jun 2020
		Date Reported	01 Jul 2020
ATTN: Mr. JASMAN PINTO			
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	21.06.2020/ 02:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample On-site Temp	24°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 @24.7°C	APHA 4500-H ⁺ B	-	7.0 - 9.2	7.76
Conductivity@24.1°C	APHA 2510	µs/cm	-	174.2
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	111
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	19.6
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	58.2
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	64.1
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, 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#	75
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TEST REPORT

Report No: QMTL/R-108255/2020

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-108255
		Date Received	21 Jun 2020
		Date(s) Tested	21 Jun 2020-24 Jun 2020
		Date Reported	01 Jul 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	21.06.2020/ 02:05 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample On-site Temp	19°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°C	APHA 2510	µs/cm	-	174.2
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	110
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	20.1
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	56.3
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	58.2
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, 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#	75
The above test results are only applicable to the sample(s) referred above.	

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