

TEST REPORT

Report No: QMTL/R-94085/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-94085	
	Date Received	19 Feb 2020	
	Date(s) Tested	19 Feb 2020 - 21 Feb 2020	
	Date Reported	27 Feb 2020	
ATTN : MR. JASMAN PINTO			
Sample Description	L-4, Cooling Tower - 1		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	19.02.2020/10:08 AM
Sample Container	1x500ml PB	Sampling Point	Sink
Sample Receipt Temp	5°C	Sample Onsite Temp	23°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

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	220
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#	55 & 74
Report prepared by Emp#	22
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-94086/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-94086	
	Date Received	19 Feb 2020	
	Date(s) Tested	19 Feb 2020 - 21 Feb 2020	
	Date Reported	27 Feb 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	AUH	Sampling Date/Time	19.02.2020/10:15 AM
Sample Container	1x500ml PB	Sampling Point	Sink
Sample Receipt Temp	5°C	Sample Onsite Temp	25.2°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

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	200
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#	55 & 74
Report prepared by Emp#	22
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TEST REPORT

Report No: QMTL/R-94087/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-94087
ATTN : MR. JASMAN PINTO		Date Received	19 Feb 2020
		Date(s) Tested	19 Feb 2020 - 21 Feb 2020
		Date Reported	27 Feb 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	AUH	Sampling Date/Time	19.02.2020/10:21 AM
Sample Container	1x500ml PB	Sampling Point	Sink
Sample Receipt Temp	5°C	Sample Onsite Temp	21.6°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

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	280
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
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	22
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TEST REPORT

Report No: QMTL/R-94088/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-94088	
	Date Received	19 Feb 2020	
	Date(s) Tested	19 Feb 2020 - 21 Feb 2020	
	Date Reported	27 Feb 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	AUH	Sampling Date/Time	19.02.2020/10:29 AM
Sample Container	1x500ml PB	Sampling Point	Sink
Sample Receipt Temp	5°C	Sample Onsite Temp	21.1°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

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#	55 & 74
Report prepared by Emp#	22
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END OF REPORT

TEST REPORT

Report No: QMTL/R-94084/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-94084	
	Date Received	19 Feb 2020	
	Date(s) Tested	19 Feb 2020 - 21 Feb 2020	
	Date Reported	27 Feb 2020	
Sample Description	P1 - Hydrotherapy Pool		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	19.02.2020/10:00 AM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	5°C	Sample Onsite Temp	31.8°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	HEALTHPOINT HOSPITAL		

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, 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#	14
Report prepared by Emp#	22

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END OF REPORT

LABORATORY SERVICES

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES		Sample ID	QMTL/S-94283
P.O.Box.131463, Abu Dhabi, U.A.E		Date Received	19 Feb 2020
Ph:02-6508930/0557167017		Date(s) Tested	19 Feb 2020-23 Feb 2020
ATTN: Mr. JASMAN PINTO		Date Reported	27 Feb 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	Abu Dhabi	Sampling Date/Time	19.02.2020/11:28 AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	5°C	Sample On-site Temp	29.7°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°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	8.09
Conductivity @24.1°C	APHA 2510	µs/cm	-	231.0
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	150.0
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	35.93
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	55.03
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	58.96
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#	27
Report prepared by Emp#	22
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CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES		Sample ID	QMTL/S-94284
P.O.Box.131463, Abu Dhabi, U.A.E		Date Received	19 Feb 2020
Ph:02-6508930/0557167017		Date(s) Tested	19 Feb 2020-23 Feb 2020
ATTN: Mr. JASMAN PINTO		Date Reported	27 Feb 2020
Sample Description	Copper Silver Ionisation, P2-Water Tank-6		
Sample Type	Water	Sampling Method	QMTL-SOP- 128
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	QMTL Representative
Location	Abu Dhabi	Sampling Date/Time	19.02.2020/11:37 AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	5°C	Sample On-site Temp	19.1°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 @23.8°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	8.17
Conductivity @23.8°C	APHA 2510	µs/cm	-	219.2
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	143.0
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	34.96
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	53.06
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	56.99
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#	27
Report prepared by Emp#	22
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