

TEST REPORT

Report No: QMTL/R-102849/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-102849
		Date Received	10 May 2020
		Date(s) Tested	10 May 2020 - 12 May 2020
ATTN : MR. JASMAN PINTO		Date Reported	17 May 2020
Sample Description	Cooling Tower-1		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital - AUH	Sampling Date/Time	07.05.2020/11:30 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	30.6°C	Sample Onsite Temp	NP
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	130
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
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Test method deviation	None
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Test performed by Emp#	74 & 55
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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-102850/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-102850
ATTN : MR. JASMAN PINTO		Date Received	10 May 2020
		Date(s) Tested	10 May 2020 - 12 May 2020
		Date Reported	17 May 2020
Sample Description	Cooling Tower-2		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital - AUH	Sampling Date/Time	07.05.2020/11:30 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	30.6°C	Sample Onsite Temp	NP
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	<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
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Test method deviation	None
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Test performed by Emp#	74 & 55
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-102851/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-102851
ATTN : MR. JASMAN PINTO		Date Received	10 May 2020
		Date(s) Tested	10 May 2020 - 12 May 2020
		Date Reported	17 May 2020
Sample Description	Cooling Tower-4		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital - AUH	Sampling Date/Time	07.05.2020/11:30 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	30.6°C	Sample Onsite Temp	NP
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	60
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
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Test method deviation	None
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Test performed by Emp#	74 & 55
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-102848/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-102848
		Date Received	10 May 2020
		Date(s) Tested	10 May 2020 - 12 May 2020
ATTN : MR. JASMAN PINTO		Date Reported	17 May 2020
Sample Description	Hydrotherapy Pool		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Health Point Hospital - AUH	Sampling Date/Time	07.05.2020/11:30 AM
Sample Container	1x1L PB	Sampling Point	Pool
Sample Receipt Temp	30.6°C	Sample Onsite Temp	NP
Sample Appearance	Clear	On-site Treatment	NP
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, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided
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Test method deviation	None
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Test performed by Emp#	55
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-102852/2020

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-102852	
	Date Received	10 May 2020	
	Date(s) Tested	10 May 2020-14 May 2020	
	Date Reported	16 May 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 05		
Sample Type	Water	Sampling Method	NP
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	Client Representative
Location	Abu Dhabi	Sampling Date/Time	07.05.2020/11:30 AM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	30.6°C	Sample On-site Temp	NP
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 @24.3°C	APHA 2510	µs/cm	-	216
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	140
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	32
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	56.7
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	60.6
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, 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-102853/2020

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-102853	
	Date Received	10 May 2020	
	Date(s) Tested	10 May 2020-14 May 2020	
	Date Reported	16 May 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	NP
Client Name/Project	HEALTH POINT HOSPITAL	Sampled By	Client Representative
Location	Abu Dhabi	Sampling Date/Time	07.05.2020/11:30 AM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	30.6°C	Sample On-site Temp	NP
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 rd EDITION)	UNITS	LIMITS	RESULTS
CHEMICAL ANALYSIS				
pH @24.2°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	7.58
Conductivity @24.4°C	APHA 2510	µs/cm	-	220
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	142
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	31.5
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	58.6
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	62.5
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, 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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