

TEST REPORT

Report No: QMTL/R-106253/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-106253
ATTN : MR. JASMAN PINTO		Date Received	07 Jun 2020
		Date(s) Tested	07 Jun 2020 - 09 Jun 2020
		Date Reported	09 Jun 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	06.06.2020/ NP
Sample Container	1x1L PB	Sampling Point	Pool
Sample Receipt Temp	4°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	CFU/ml	1000	<1

Remarks	The sample meets the limits of HAAD EHSMS Standard for Healthcare Providers- RSB Water Quality Regulations (4th 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, DM: Dubai Municipality, NP: Not Provided
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Test method deviation	None
Test performed by Emp#	55 & 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-106254/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-106254
		Date Received	07 Jun 2020
		Date(s) Tested	07 Jun 2020 - 09 Jun 2020
ATTN : MR. JASMAN PINTO		Date Reported	09 Jun 2020
Sample Description	Cooling Tower- 01		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Health Point Hospital - AUH	Sampling Date/Time	06.06.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°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	50
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#	55 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-106255/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-106255
		Date Received	07 Jun 2020
		Date(s) Tested	07 Jun 2020 - 09 Jun 2020
		Date Reported	09 Jun 2020
Sample Description	Cooling Tower- 02		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Health Point Hospital - AUH	Sampling Date/Time	06.06.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°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	140
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#	55 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-106256/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-106256	
	Date Received	07 Jun 2020	
	Date(s) Tested	07 Jun 2020 - 09 Jun 2020	
	Date Reported	09 Jun 2020	
Sample Description	Cooling Tower- 03		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Health Point Hospital - AUH	Sampling Date/Time	06.06.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4°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#	55 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-106257/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-106257	
	Date Received	07 Jun 2020	
	Date(s) Tested	07 Jun 2020 - 09 Jun 2020	
	Date Reported	09 Jun 2020	
Sample Description	Cooling Tower- 04		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Health Point Hospital - AUH	Sampling Date/Time	06.06.2020/ NP
Sample Container	1x1L PB	Sampling Point	Tank
Sample Receipt Temp	4°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	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
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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-106258/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box. 131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-106258
ATTN: Mr. JASMAN PINTO		Date Received	07 Jun 2020
		Date(s) Tested	07 Jun 2020-10 Jun 2020
		Date Reported	15 Jun 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	06.06.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	20°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°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	8.16
Conductivity @24.1°C	APHA 2510	µs/cm	-	164
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	106
Chloride (Cl)	APHA 4500-Cl ⁻ B	mg/L	Max 250	20.54
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	14.78
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	73.78
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-106259/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		Sample ID	QMTL/S-106259
		Date Received	07 Jun 2020
		Date(s) Tested	07 Jun 2020-10 Jun 2020
		Date Reported	15 Jun 2020
ATTN: Mr. JASMAN PINTO			
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	06.06.2020/ NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	20°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°C	APHA 4500-H ⁺ B	--	7.0 - 9.2	8.18
Conductivity @24°C	APHA 2510	µs/cm	-	163
Total Dissolved Solids@180°C	APHA 2540-C	mg/L	Min100 – Max 1000	105
Chloride (Cl)	APHA 4500-Cl B	mg/L	Max 250	20.49
Calcium Hardness as CaCO ₃	APHA 3500-Ca B	mg/L	Max 200	34.94
Total Hardness as (CaCO ₃)	APHA 2340-C	mg/L	Max 300	69.89
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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