

TEST REPORT

Report No: QMTL/R-125959/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-125959
		Date Received	01 Oct 2020
		Date(s) Tested	01 Oct 2020 - 03 Oct 2020
ATTN : MR. JASMAN PINTO		Date Reported	07 Oct 2020
Sample Description	P1, Hydrotherapy Pool		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	30.09.2020 / NP
Sample Container	1x500ml 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)	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, DM: Dubai Municipality, Doc Ref.: Document Reference, NP: Not Provided
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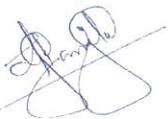
Test method deviation	None
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Test performed by Emp#	14 & 74
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Report prepared by Emp#	72
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The above test results are only applicable to the sample(s) referred above.

Reported By




ANILA GEORGE
LABORATORY MANAGER

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END OF REPORT

TEST REPORT

Report No: QMTL/R-125960/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-125960	
	Date Received	01 Oct 2020	
	Date(s) Tested	01 Oct 2020 - 03 Oct 2020	
	Date Reported	07 Oct 2020	
Sample Description	L-4, Cooling Tower - 01		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	30.09.2020 / NP
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
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	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.
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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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-125961/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-125961	
	Date Received	01 Oct 2020	
	Date(s) Tested	01 Oct 2020 - 03 Oct 2020	
	Date Reported	07 Oct 2020	
Sample Description	L-4, Cooling Tower - 02		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	30.09.2020 / NP
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
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	120
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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-125962/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-125962	
	Date Received	01 Oct 2020	
	Date(s) Tested	01 Oct 2020 - 03 Oct 2020	
	Date Reported	07 Oct 2020	
Sample Description	L-4, Cooling Tower - 03		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	30.09.2020 / NP
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
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	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
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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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Report No: QMTL/R-125963/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-125963
		Date Received	01 Oct 2020
		Date(s) Tested	01 Oct 2020 - 03 Oct 2020
		Date Reported	07 Oct 2020
Sample Description	L-4, Cooling Tower - 04		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	30.09.2020 / NP
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
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	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#	14 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-125964/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-125964
	Date Received	01 Oct 2020
	Date(s) Tested	01 Oct 2020 - 05 Oct 2020
	Date Reported	11 Oct 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 05	
Sample Type	Water	Sampling Method NP
Client Name/Project	NP	Sampled By Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time 30.09.2020 / NP
Sample Container	1x500ml PB	Sampling Point Tank
Sample Receipt Temp	18°C	Sample Onsite Temp NP
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
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	215@24.1°C
pH	APHA 4500 H+B (23rd Edition)	-	Min 7.0-Max 9.2	7.44@24.1°C
Total Dissolved Solids	APHA 2540-C (23rd Edition)	mg/L	Min 100-Max 1000	138
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.
Test method deviation	None
Test performed by Emp#	13
Report prepared by Emp#	22
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	Date Received	01 Oct 2020	
	Date(s) Tested	01 Oct 2020 - 05 Oct 2020	
	Date Reported	11 Oct 2020	
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	30.09.2020 / NP
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	NP
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	54.4
Chloride	APHA 4500 Cl ⁻ B (23rd Edition)	mg/L	Max 250	49.4
Conductivity	APHA 2510 B (23rd Edition)	µs/cm	-	208@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.			
Test method deviation	None			
Test performed by Emp#	13			
Report prepared by Emp#	22			
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