

TEST REPORT

REPORT NO: - QMTL/R-81268

| | | |
|---|---------------------------------|--|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES | | |
| P.O.Box.131463, Abu Dhabi, U.A.E | | |
| Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 9060 A | Sample ID: QMTL/S- 81268 |
| Reference: HEALTHPOINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: L-4 Cooling Tower-1 Sample Onsite Temp: 25°C Sample Receipt Temp: 4°C | Source: Cooling Tower - 1 | Date(s) Tested: 23-25.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 28.11.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:00PM |
| On-Site Treatment: NA | Tested by Emp#: 55 & 74 | Location: AUH |

TEST RESULTS

| PARAMETERS | TEST METHODS (APHA 23 RD EDITION) | UNITS | SPECIFICATIONS | RESULTS |
|---------------------------------|---|-----------|----------------|-------------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| Total Bacterial Count | APHA 9215 B | CFU/ml | 10,000 | 260 |
| Total Coliforms | APHA 9222 B | CFU/100ml | - | Zero |
| Faecal coliform | APHA 9222 D | CFU/100ml | - | Zero |
| Pseudomonas aeruginosa | APHA 9213 E | CFU/100ml | - | Zero |
| Escherichia coli | APHA 9222 H & I | CFU/100ml | - | Zero |

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 72

Test Method deviation : None

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-81269

| | | |
|---|---------------------------------|--|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES | | |
| P.O.Box.131463, Abu Dhabi, U.A.E | | |
| Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 9060 A | Sample ID: QMTL/S- 81269 |
| Reference: HEALTHPOINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: L-4 Cooling Tower-2 Sample Onsite Temp: 26°C Sample Receipt Temp: 4°C | Source: Cooling Tower - 2 | Date(s) Tested: 23-25.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 28.11.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:10PM |
| On-Site Treatment: NA | Tested by Emp#: 55 & 74 | Location: AUH |

TEST RESULTS

| PARAMETERS | TEST METHODS (APHA 23 RD EDITION) | UNITS | SPECIFICATIONS | RESULTS |
|---------------------------------|---|-----------|----------------|-------------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| Total Bacterial Count | APHA 9215 B | CFU/ml | 10,000 | <1 |
| Total Coliforms | APHA 9222 B | CFU/100ml | - | Zero |
| Faecal coliform | APHA 9222 D | CFU/100ml | - | Zero |
| Pseudomonas aeruginosa | APHA 9213 E | CFU/100ml | - | Zero |
| Escherichia coli | APHA 9222 H & I | CFU/100ml | - | Zero |

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 72

Test Method deviation : None

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-81270

| | | |
|---|---------------------------------|--|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES | | |
| P.O.Box.131463, Abu Dhabi, U.A.E | | |
| Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 9060 A | Sample ID: QMTL/S- 81270 |
| Reference: HEALTHPOINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: L-4 Cooling Tower-3 Sample Onsite Temp: 30°C Sample Receipt Temp: 4°C | Source: Cooling Tower - 3 | Date(s) Tested: 23-25.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 28.11.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:20PM |
| On-Site Treatment: NA | Tested by Emp#: 55 & 74 | Location: AUH |

TEST RESULTS

| PARAMETERS | TEST METHODS (APHA 23 RD EDITION) | UNITS | SPECIFICATIONS | RESULTS |
|---------------------------------|---|-----------|----------------|-------------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| Total Bacterial Count | APHA 9215 B | CFU/ml | 10,000 | 47 |
| Total Coliforms | APHA 9222 B | CFU/100ml | - | Zero |
| Faecal coliform | APHA 9222 D | CFU/100ml | - | Zero |
| Pseudomonas aeruginosa | APHA 9213 E | CFU/100ml | - | Zero |
| Escherichia coli | APHA 9222 H & I | CFU/100ml | - | Zero |

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 72

Test Method deviation : None

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-81271

| | | |
|---|---------------------------------|--|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 9060 A | Sample ID: QMTL/S- 81271 |
| Reference: HEALTHPOINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: L-4 Cooling Tower-4 Sample Onsite Temp: 26°C Sample Receipt Temp: 4°C | Source: Cooling Tower - 4 | Date(s) Tested: 23-25.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 28.11.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:30PM |
| On-Site Treatment: NA | Tested by Emp#: 55 & 74 | Location: AUH |

TEST RESULTS

| PARAMETERS | TEST METHODS (APHA 23 RD EDITION) | UNITS | SPECIFICATIONS | RESULTS |
|---------------------------------|---|-----------|----------------|-------------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| Total Bacterial Count | APHA 9215 B | CFU/ml | 10,000 | 210 |
| Total Coliforms | APHA 9222 B | CFU/100ml | - | Zero |
| Faecal coliform | APHA 9222 D | CFU/100ml | - | Zero |
| Pseudomonas aeruginosa | APHA 9213 E | CFU/100ml | - | Zero |
| Escherichia coli | APHA 9222 H & I | CFU/100ml | - | Zero |

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 72
Test Method deviation : None
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-81272

| | | |
|--|---------------------------------|---|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 9060 A | Sample ID: QMTL/S-81272 |
| Reference: HEALTH POINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description : P1- Hydro Pool Sample Onsite Temp: 33°C Sample Receipt Temp: 4°C | Source: Pool | Date(s) Tested: 23-25.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 28.11.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:40 PM |
| On-Site Treatment: NA | Tested by Emp#: 55 & 74 | Location: AUH |

TEST RESULTS

| PARAMETER | TEST METHOD | UNIT | SPECIFICATION | RESULT |
|---------------------------------|-------------|--------|---------------|--------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| Total Bacterial Count | Dip Slide | CFU/ml | 1000 | <1 |

REMARKS: The sample meets DM Water Systems quality specifications for Pool water with respect to the above test only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 72

Test Method deviation : None

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-81273

| | | |
|--|---------------------------------|---|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 9060 A | Sample ID: QMTL/S-81273 |
| Reference: HEALTH POINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: GF- Water Feature Sample Onsite Temp: 30°C Sample Receipt Temp: 4°C | Source: Water Feature | Date(s) Tested: 23-25.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 28.11.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:50 PM |
| On-Site Treatment: NA | Tested by Emp#: 55 & 74 | Location: AUH |

TEST RESULTS

| PARAMETER | TEST METHOD | UNIT | SPECIFICATION | RESULT |
|---------------------------------|-------------|--------|---------------|--------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| Total Bacterial Count | Dip Slide | CFU/ml | 500 | <1 |

REMARKS: The sample meets DM Water Systems quality specifications for Water Feature with respect to the above test only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 72

Test Method deviation : None

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-81274

| | | |
|--|---------------------------------|--|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 1060 B | Sample ID: QMTL/S- 81274 |
| Reference: HEALTH POINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: P2- Water Tank No. 05, Copper Silver Ionisation Sample Onsite Temp: 28°C Sample Receipt Temp: 4°C | Source: Tank | Date(s) Tested: 23-28.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 01.12.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:00PM |
| On-Site Treatment: NA | Tested by Emp#: 67 | Location: AUH |

TEST RESULTS

| PARAMETERS | TEST METHOD (APHA 23 RD EDITION) | UNITS | SPECIFICATION | RESULTS |
|--|--|-------|-------------------|-----------------|
| CHEMICAL ANALYSIS | | | | |
| pH @23.2°C | APHA 4500-H ⁺ B | -- | 7.0 - 9.2 | 7.69 |
| Conductivity @23.1°C | APHA 2510 | µs/cm | - | 159.1 |
| Total Dissolved Solids@180°C | APHA 2540-C | mg/L | Min100 – Max 1000 | 105 |
| Chloride (Cl) | APHA 4500-Cl ⁻ B | mg/L | Max 250 | 21.22 |
| Calcium Hardness as CaCO ₃ | APHA 3500-Ca B | mg/L | Max 200 | 62.40 |
| Total Hardness as (CaCO ₃) | APHA 2340-C | mg/L | Max 300 | 66.30 |
| 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 (4th Edition) January 2014 requirements for potable water with respect to the above tests only.

Key Words: pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable

Report prepared by Emp#: 61

Test Method deviation : None

The above test results are only applicable to the sample(s) referred above

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TEST REPORT

REPORT NO: - QMTL/R-81275

| | | |
|--|---------------------------------|--|
| CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 | | |
| ATTN: Mr. JASMAN PINTO | | |
| Product: Water | Sampling Method: APHA 1060 B | Sample ID: QMTL/S- 81275 |
| Reference: HEALTH POINT HOSPITAL | Sampled By: QMTL Representative | Date Received: 23.11.2019 |
| Sample Description: P2- Water Tank No. 06, Copper Silver Ionisation Sample Onsite Temp: 21°C Sample Receipt Temp: 4°C | Source: Tank | Date(s) Tested: 23-28.11.2019 |
| | Sample Container: 1x500 ml PB | Date Reported: 01.12.2019 |
| | Sample Appearance: Clear | Date of Sampling/Time: 23.11.2019/12:00PM |
| On-Site Treatment: NA | Tested by Emp#: 67 | Location: AUH |

TEST RESULTS

| PARAMETERS | TEST METHOD (APHA 23 RD EDITION) | UNITS | SPECIFICATION | RESULTS |
|--|--|-------|-------------------|-----------------|
| CHEMICAL ANALYSIS | | | | |
| pH @23.1°C | APHA 4500-H ⁺ B | -- | 7.0 - 9.2 | 7.74 |
| Conductivity @23.1°C | APHA 2510 | µs/cm | - | 162.1 |
| Total Dissolved Solids@180°C | APHA 2540-C | mg/L | Min100 – Max 1000 | 107 |
| Chloride (Cl) | APHA 4500-Cl ⁻ B | mg/L | Max 250 | 22.25 |
| Calcium Hardness as CaCO ₃ | APHA 3500-Ca B | mg/L | Max 200 | 60.45 |
| Total Hardness as (CaCO ₃) | APHA 2340-C | mg/L | Max 300 | 64.35 |
| 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 (4th Edition) January 2014 requirements for potable water with respect to the above tests only.

Key Words: pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable

Report prepared by Emp#: 61

Test Method deviation : None

The above test results are only applicable to the sample(s) referred above

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