

TEST REPORT

Report No: QMTL/R-94526/2020

| | | | |
|---|-------------------------------------|---------------------------|---------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO | Sample ID | QMTL/S-94526 | |
| | Date Received | 22 Feb 2020 | |
| | Date(s) Tested | 22 Feb 2020 - 24 Feb 2020 | |
| | Date Reported | 27 Feb 2020 | |
| Sample Description | Tower 2, Pumping Room, R1, Tank - 1 | | |
| Sample Type | Water | Sampling Method | QMTL-WI-15 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/02:45 PM |
| Sample Container | 1x500ml PB | Sampling Point | Tank |
| Sample Receipt Temp | 5°C | Sample Onsite Temp | 24.2°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM-ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|---------------------------------|--|------------|------------|---------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| E.coli | APHA 9222 H & I (23rd Edition) | CFU/100 ml | Zero | Zero |
| Fecal Coliforms | APHA 9222 D (23rd Edition) | CFU/100 ml | Zero | Zero |
| Pseudomonas aeruginosa | APHA 9213 E (23rd Edition) | CFU/100 ml | Zero | Zero |
| Total Bacterial Count | APHA 9215 B (23rd Edition) | CFU/ml | 10@37°C | 1 |
| Total Coliforms | APHA 9222 B (23rd Edition) | CFU/100 ml | Zero | Zero |
| Remarks | The sample meets 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, RSB: Regulation & Supervision Bureau, NA: Not Applicable; NP: Not Provided, WI: Work Instruction |
|----------|--|

| | |
|---|---------|
| Test method deviation | None |
| Test performed by Emp# | 55 & 78 |
| 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-94527/2020

| | | | |
|---|-------------------------------------|---------------------------|---------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO | Sample ID | QMTL/S-94527 | |
| | Date Received | 22 Feb 2020 | |
| | Date(s) Tested | 22 Feb 2020 - 24 Feb 2020 | |
| | Date Reported | 27 Feb 2020 | |
| Sample Description | Tower 2, Pumping Room, R1, Tank - 2 | | |
| Sample Type | Water | Sampling Method | QMTL-WI-15 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/03:00 PM |
| Sample Container | 1x500ml PB | Sampling Point | Tank |
| Sample Receipt Temp | 5°C | Sample Onsite Temp | 24.4°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM-ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|---------------------------------|--|------------|------------|---------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| E.coli | APHA 9222 H & I (23rd Edition) | CFU/100 ml | Zero | Zero |
| Fecal Coliforms | APHA 9222 D (23rd Edition) | CFU/100 ml | Zero | Zero |
| Pseudomonas aeruginosa | APHA 9213 E (23rd Edition) | CFU/100 ml | Zero | Zero |
| Total Bacterial Count | APHA 9215 B (23rd Edition) | CFU/ml | 10@37°C | 5 |
| Total Coliforms | APHA 9222 B (23rd Edition) | CFU/100 ml | Zero | Zero |
| Remarks | The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only. | | | |

| | |
|----------|--|
| Keywords | CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NA: Not Applicable; NP: Not Provided, WI: Work Instruction |
|----------|--|

| | |
|---|---------|
| Test method deviation | None |
| Test performed by Emp# | 55 & 78 |
| Report prepared by Emp# | 22 |
| The above test results are only applicable to the sample(s) referred above. | |

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94528/2020

| | | | |
|---|----------------------------|---------------------------|---------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO | Sample ID | QMTL/S-94528 | |
| | Date Received | 22 Feb 2020 | |
| | Date(s) Tested | 22 Feb 2020 - 24 Feb 2020 | |
| | Date Reported | 27 Feb 2020 | |
| Sample Description | Tower 2, R1 Fire Pump Room | | |
| Sample Type | Water | Sampling Method | QMTL-WI-15 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/03:08 PM |
| Sample Container | 1x500ml PB | Sampling Point | Tank |
| Sample Receipt Temp | 5°C | Sample Onsite Temp | 23.1°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM-ABU DHABI | | |

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 | 500 | 3 |
| Total Coliforms | APHA 9222 B (23rd Edition) | CFU/100 ml | - | Zero |
| Remarks | The sample meets DM Water Systems quality (2010) specifications for evaporative air coolers, Misters, air washers & humidifiers with respect to the above tests only. | | | |

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|----------|--|
| Keywords | CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable, NP: Not Provided, WI: Work Instruction |
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|-----------------------|------|
| Test method deviation | None |
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|------------------------|----|
| Test performed by Emp# | 55 |
|------------------------|----|

| | |
|-------------------------|----|
| Report prepared by Emp# | 22 |
|-------------------------|----|

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

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94524/2020

| | | | |
|--|---|---------------------------|---------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates | Sample ID | QMTL/S-94524 | |
| | Date Received | 22 Feb 2020 | |
| | Date(s) Tested | 22 Feb 2020 - 24 Feb 2020 | |
| | Date Reported | 27 Feb 2020 | |
| ATTN : MR. JASMAN PINTO | | | |
| Sample Description | Tower - 2, Roof Top, Pumping Room , Tank -1 | | |
| Sample Type | Water | Sampling Method | QMTL-WI-15 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/02:00 PM |
| Sample Container | 1x500ml PB | Sampling Point | Tank |
| Sample Receipt Temp | 5°C | Sample Onsite Temp | 25.1°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM-ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|---------------------------------|--|------------|------------|---------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| E.coli | APHA 9222 H & I (23rd Edition) | CFU/100 ml | Zero | Zero |
| Fecal Coliforms | APHA 9222 D (23rd Edition) | CFU/100 ml | Zero | Zero |
| Pseudomonas aeruginosa | APHA 9213 E (23rd Edition) | CFU/100 ml | Zero | Zero |
| Total Bacterial Count | APHA 9215 B (23rd Edition) | CFU/ml | 10@37°C | 8 |
| Total Coliforms | APHA 9222 B (23rd Edition) | CFU/100 ml | Zero | Zero |
| Remarks | The sample meets 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, RSB: Regulation & Supervision Bureau, NA: Not Applicable;NP: Not Provided, WI: Work Instruction |
|----------|---|

| | |
|---|---------|
| Test method deviation | None |
| Test performed by Emp# | 55 & 78 |
| Report prepared by Emp# | 22 |
| The above test results are only applicable to the sample(s) referred above. | |

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94525/2020

| | | |
|---|--|--|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO | Sample ID | QMTL/S-94525 |
| | Date Received | 22 Feb 2020 |
| | Date(s) Tested | 22 Feb 2020 - 24 Feb 2020 |
| | Date Reported | 27 Feb 2020 |
| Sample Description | Tower 2 , Roof Top Pumping Room Tank - 2 | |
| Sample Type | Water | Sampling Method QMTL-WI-15 |
| Client Name/Project | NP | Sampled By QMTL Representative |
| Location | AUH | Sampling Date/Time 22.02.2020/02:20 PM |
| Sample Container | 1x500ml PB | Sampling Point Tank |
| Sample Receipt Temp | 5°C | Sample Onsite Temp 26°C |
| Sample Appearance | Clear | On-site Treatment NA |
| Reference | ADGM-ABU DHABI | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|---------------------------------|--|------------|------------|---------|
| MICROBIOLOGICAL ANALYSIS | | | | |
| E.coli | APHA 9222 H & I (23rd Edition) | CFU/100 ml | Zero | Zero |
| Fecal Coliforms | APHA 9222 D (23rd Edition) | CFU/100 ml | Zero | Zero |
| Pseudomonas aeruginosa | APHA 9213 E (23rd Edition) | CFU/100 ml | Zero | Zero |
| Total Bacterial Count | APHA 9215 B (23rd Edition) | CFU/ml | 10@37°C | <1 |
| Total Coliforms | APHA 9222 B (23rd Edition) | CFU/100 ml | Zero | Zero |
| Remarks | The sample meets 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, RSB: Regulation & Supervision Bureau, NA: Not Applicable; NP: Not Provided, WI: Work Instruction |
|----------|--|

| | |
|---|---------|
| Test method deviation | None |
| Test performed by Emp# | 55 & 78 |
| Report prepared by Emp# | 22 |
| The above test results are only applicable to the sample(s) referred above. | |

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94546/2020

| | | | |
|--|------------------------------------|--------------------|---------------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates | | Sample ID | QMTL/S-94546 |
| ATTN : MR. JASMAN PINTO | | Date Received | 22 Feb 2020 |
| | | Date(s) Tested | 22 Feb 2020 - 03 Mar 2020 |
| | | Date Reported | 04 Mar 2020 |
| Sample Description | Tower 2, Pumping Room, R1, Tank -1 | | |
| Sample Type | Water | Sampling Method | QMTL-WI-16 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/2:45 PM |
| Sample Container | 1x1L PB | Sampling Point | Tank |
| Sample Receipt Temp | 16°C | Sample Onsite Temp | 24.2°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM- ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|--|---------------------------|-----------|------------|--------------|
| LEGIONELLA ANALYSIS | | | | |
| Legionella | CCFRA 3.9.1 (5th Edition) | CFU/litre | <1 | Not Detected |
| Legionella pneumophila sero group 1 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella pneumophila sero group 2-15 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella Species | CCFRA 3.9.1 (5th Edition) | - | - | Absent |

| | |
|---------|--|
| Remarks | The sample meets 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, CCFRA: Campden & Chorleywood Food Research Association, RSB: Regulation & Supervision Bureau, WI: Work Instruction, NA: Not Applicable, NP: Not Provided |
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|-----------------------|------|
| Test method deviation | None |
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|------------------------|---------|
| Test performed by Emp# | 55 & 78 |
|------------------------|---------|

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|-------------------------|----|
| Report prepared by Emp# | 72 |
|-------------------------|----|

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

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94547/2020

| | | | |
|--|------------------------------------|--------------------|---------------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates | | Sample ID | QMTL/S-94547 |
| ATTN : MR. JASMAN PINTO | | Date Received | 22 Feb 2020 |
| | | Date(s) Tested | 22 Feb 2020 - 03 Mar 2020 |
| | | Date Reported | 04 Mar 2020 |
| Sample Description | Tower 2, Pumping Room, R1, Tank -2 | | |
| Sample Type | Water | Sampling Method | QMTL-WI-16 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/3:00 PM |
| Sample Container | 1x1L PB | Sampling Point | Tank |
| Sample Receipt Temp | 16°C | Sample Onsite Temp | 24.4°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM- ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|--|---------------------------|-----------|------------|--------------|
| LEGIONELLA ANALYSIS | | | | |
| Legionella | CCFRA 3.9.1 (5th Edition) | CFU/litre | <1 | Not Detected |
| Legionella pneumophila sero group 1 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella pneumophila sero group 2-15 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella Species | CCFRA 3.9.1 (5th Edition) | - | - | Absent |

| | |
|---------|--|
| Remarks | The sample meets 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, CCFRA: Campden & Chorleywood Food Research Association, RSB: Regulation & Supervision Bureau, WI: Work Instruction, NA: Not Applicable, NP: Not Provided |
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|-----------------------|------|
| Test method deviation | None |
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| | |
|------------------------|---------|
| Test performed by Emp# | 55 & 78 |
|------------------------|---------|

| | |
|-------------------------|----|
| Report prepared by Emp# | 72 |
|-------------------------|----|

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

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94548/2020

| | | | |
|--|-----------------------------|--------------------|---------------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates | | Sample ID | QMTL/S-94548 |
| ATTN : MR. JASMAN PINTO | | Date Received | 22 Feb 2020 |
| | | Date(s) Tested | 22 Feb 2020 - 03 Mar 2020 |
| | | Date Reported | 04 Mar 2020 |
| Sample Description | Tower 2, R1, Fire Pump Room | | |
| Sample Type | Water | Sampling Method | QMTL-WI-16 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/3:08 PM |
| Sample Container | 1x1L PB | Sampling Point | Tank |
| Sample Receipt Temp | 16°C | Sample Onsite Temp | 23.1°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM- ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|--|---------------------------|-----------|------------|--------------|
| LEGIONELLA ANALYSIS | | | | |
| Legionella | CCFRA 3.9.1 (5th Edition) | CFU/litre | <1 | Not Detected |
| Legionella pneumophila sero group 1 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella pneumophila sero group 2-15 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella Species | CCFRA 3.9.1 (5th Edition) | - | - | Absent |

| | |
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| Remarks | The sample meets DM Water Systems quality (2010) specifications for evaporative air coolers, misters, airwashers & humidifiers with respect to the above tests only. |
|---------|--|

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|----------|--|
| Keywords | CFU: Colony Forming Unit, CCFRA: Campden & Chorleywood Food Research Association, DM: Dubai Municipality, WI: Work Instruction, NA: Not Applicable, NP: Not Provided |
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| | |
|-----------------------|------|
| Test method deviation | None |
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| | |
|------------------------|---------|
| Test performed by Emp# | 55 & 78 |
|------------------------|---------|

| | |
|-------------------------|----|
| Report prepared by Emp# | 72 |
|-------------------------|----|

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

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94544/2020

| | | | | |
|---|---|---------------------------|---------------------|--|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO | Sample ID | QMTL/S-94544 | | |
| | Date Received | 22 Feb 2020 | | |
| | Date(s) Tested | 22 Feb 2020 - 03 Mar 2020 | | |
| | Date Reported | 04 Mar 2020 | | |
| Sample Description | Tower - 2, Roof Top, Pumping Room, Tank -1 | | | |
| Sample Type | Water | Sampling Method | QMTL-WI-16 | |
| Client Name/Project | NP | Sampled By | QMTL Representative | |
| Location | AUH | Sampling Date/Time | 22.02.2020/2:00 PM | |
| Sample Container | 1x1L PB | Sampling Point | Tank | |
| Sample Receipt Temp | 16°C | Sample Onsite Temp | 25.1°C | |
| Sample Appearance | Clear | On-site Treatment | NA | |
| Reference | ADGM- ABU DHABI | | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|--|---------------------------|-----------|------------|--------------|
| LEGIONELLA ANALYSIS | | | | |
| Legionella | CCFRA 3.9.1 (5th Edition) | CFU/litre | <1 | Not Detected |
| Legionella pneumophila sero group 1 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella pneumophila sero group 2-15 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella Species | CCFRA 3.9.1 (5th Edition) | - | - | Absent |

| | |
|---------|--|
| Remarks | The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only. |
|---------|--|

| | |
|----------|--|
| Keywords | CFU: Colony Forming Unit, CCFRA: Campden & Chorleywood Food Research Association, RSB: Regulation & Supervision Bureau, WI: Work Instruction, NA: Not Applicable, NP: Not Provided |
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| | |
|-----------------------|------|
| Test method deviation | None |
|-----------------------|------|

| | |
|------------------------|---------|
| Test performed by Emp# | 55 & 78 |
|------------------------|---------|

| | |
|-------------------------|----|
| Report prepared by Emp# | 72 |
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The above test results are only applicable to the sample(s) referred above.

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END OF REPORT

TEST REPORT

Report No: QMTL/R-94545/2020

| | | | |
|--|--|--------------------|---------------------------|
| CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates | | Sample ID | QMTL/S-94545 |
| ATTN : MR. JASMAN PINTO | | Date Received | 22 Feb 2020 |
| | | Date(s) Tested | 22 Feb 2020 - 03 Mar 2020 |
| | | Date Reported | 04 Mar 2020 |
| Sample Description | Tower 2 , Roof Top Pumping Room Tank - 2 | | |
| Sample Type | Water | Sampling Method | QMTL-WI-16 |
| Client Name/Project | NP | Sampled By | QMTL Representative |
| Location | AUH | Sampling Date/Time | 22.02.2020/2:20 PM |
| Sample Container | 1x1L PB | Sampling Point | Tank |
| Sample Receipt Temp | 16°C | Sample Onsite Temp | 26°C |
| Sample Appearance | Clear | On-site Treatment | NA |
| Reference | ADGM- ABU DHABI | | |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | GUIDELINES | RESULTS |
|--|---------------------------|-----------|------------|--------------|
| LEGIONELLA ANALYSIS | | | | |
| Legionella | CCFRA 3.9.1 (5th Edition) | CFU/litre | <1 | Not Detected |
| Legionella pneumophila sero group 1 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella pneumophila sero group 2-15 | CCFRA 3.9.1 (5th Edition) | - | - | Absent |
| Legionella Species | CCFRA 3.9.1 (5th Edition) | - | - | Absent |

| | |
|---------|--|
| Remarks | The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only. |
|---------|--|

| | |
|----------|--|
| Keywords | CFU: Colony Forming Unit, CCFRA: Campden & Chorleywood Food Research Association, RSB: Regulation & Supervision Bureau, WI: Work Instruction, NA: Not Applicable, NP: Not Provided |
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| | |
|-----------------------|------|
| Test method deviation | None |
|-----------------------|------|

| | |
|------------------------|---------|
| Test performed by Emp# | 55 & 78 |
|------------------------|---------|

| | |
|-------------------------|----|
| Report prepared by Emp# | 72 |
|-------------------------|----|

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

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END OF REPORT

INDOOR AIR QUALITY MONITORING REPORT

REPORT NO: - QMTL/R-95570

| | | |
|--|---------------------------|------------------------------|
| CLIENT: M/S. CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi, U.A.E | | |
| ATTN: MR.JASMAN PINTO | | |
| PROJECT: INDOOR AIR QUALITY MONITORING AT ADGM BUILDING | | |
| Sampling location: Lobby Area, Tower-2 | Sample ID : QMTL/S-95570 | |
| Sampling Method: BSEN 481:1993,60079-29-2-2015 | Date(s) Tested:27.02.2020 | |
| Date/Time of Sampling:27.02.2020 | Sampling Duration: STEL | Date Of Reporting:29.02.2020 |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|---------------------------|--|-------------------|---------|-------------|
| PARTICULATE MATTER | | | | |
| PM 1.0 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 1.1 |
| PM 2.5 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 15 | 2.6 |
| PM 10 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 50 | 19.5 |
| TSPM | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 40.6 |
| GASEOUS | | | | |
| TVOC | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | - | 0.08 |
| Carbon Dioxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 700 | 639 |
| Carbon Monoxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 9 | 1.7 |



Report No: QMTL/R-95570
Sample No: QMTL/S-95570

Date Reported: 29.02.2020
Date Received: 27.02.2020

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|-------------|---|-------|--------|---------|
| Temperature | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | °C | - | 24.3 |
| Humidity | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | % | Max 65 | 45.2 |

Remarks: The indoor quality performed meets with ANSI/ASHRAE standard 62.1-2016 for Ventilation for Acceptable Indoor Air Quality guideline with respect to the above tested parameters

Analysis performed by : 65
Report prepared by : 39
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

INDOOR AIR QUALITY MONITORING REPORT

REPORT NO: - QMTL/R-95569

| | |
|--|------------------------------|
| CLIENT: M/S. CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi, U.A.E | |
| ATTN: MR.JASMAN PINTO | |
| PROJECT: INDOOR AIR QUALITY MONITORING AT ADGM BUILDING | |
| Sampling location: Near HVAC Room, 5th floor, Tower-2 | Sample ID : QMTL/S-95569 |
| Sampling Method: BSEN 481:1993,60079-29-2-2015 | Date(s) Tested:27.02.2020 |
| Date/Time of Sampling:27.02.2020 | Sampling Duration: STEL |
| | Date Of Reporting:29.02.2020 |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|---------------------------|--|-------------------|---------|-------------|
| PARTICULATE MATTER | | | | |
| PM 1.0 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 2.6 |
| PM 2.5 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 15 | 4.2 |
| PM 10 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 50 | 35.1 |
| TSPM | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 62.3 |
| GASEOUS | | | | |
| TVOC | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | - | 0.11 |
| Carbon Dioxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 700 | 672 |
| Carbon Monoxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 9 | 2.9 |



Report No: QMTL/R-95569
 Sample No: QMTL/S-95569

Date Reported: 29.02.2020
 Date Received: 27.02.2020

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|-------------|---|-------|--------|---------|
| Temperature | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | °C | - | 23.9 |
| Humidity | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | % | Max 65 | 49.6 |

Remarks: The indoor quality performed meets with ANSI/ASHRAE standard 62.1-2016 for Ventilation for Acceptable Indoor Air Quality guideline with respect to the above tested parameters

Analysis performed by : 65
 Report prepared by : 39
 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

INDOOR AIR QUALITY MONITORING REPORT

REPORT NO: - QMTL/R-95568

| | | |
|--|---------------------------|------------------------------|
| CLIENT: M/S. CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi, U.A.E | | |
| ATTN: MR.JASMAN PINTO | | |
| PROJECT: INDOOR AIR QUALITY MONITORING AT ADGM BUILDING | | |
| Sampling location: Near HVAC Room, 15th floor, Tower-2 | Sample ID : QMTL/S-95568 | |
| Sampling Method: BSEN 481:1993,60079-29-2-2015 | Date(s) Tested:27.02.2020 | |
| Date/Time of Sampling:27.02.2020 | Sampling Duration: STEL | Date Of Reporting:29.02.2020 |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|---------------------------|--|-------------------|---------|-------------|
| PARTICULATE MATTER | | | | |
| PM 1.0 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 2.3 |
| PM 2.5 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 15 | 4.7 |
| PM 10 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 50 | 22.3 |
| TSPM | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 39.6 |
| GASEOUS | | | | |
| TVOC | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | - | 0.12 |
| Carbon Dioxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 700 | 650 |
| Carbon Monoxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 9 | 2.8 |



Report No: QMTL/R-95568
Sample No: QMTL/S-95568

Date Reported: 29.02.2020
Date Received: 27.02.2020

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|-------------|---|-------|--------|-------------|
| Temperature | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | °C | - | 24.9 |
| Humidity | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | % | Max 65 | 41.3 |

Remarks: The indoor quality performed meets with ANSI/ASHRAE standard 62.1-2016 for Ventilation for Acceptable Indoor Air Quality guideline with respect to the above tested parameters

Analysis performed by : 65
Report prepared by : 39
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

INDOOR AIR QUALITY MONITORING REPORT

REPORT NO: - QMTL/R-95567

| | | |
|--|---------------------------|------------------------------|
| CLIENT: M/S. CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi, U.A.E | | |
| ATTN: MR.JASMAN PINTO | | |
| PROJECT: INDOOR AIR QUALITY MONITORING AT ADGM BUILDING | | |
| Sampling location: Near Voice Data Room, 19th floor, Tower-2 | Sample ID : QMTL/S-95567 | |
| Sampling Method: BSEN 481:1993,60079-29-2-2015 | Date(s) Tested:27.02.2020 | |
| Date/Time of Sampling:27.02.2020 | Sampling Duration: STEL | Date Of Reporting:29.02.2020 |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|---------------------------|--|-------------------|---------|-------------|
| PARTICULATE MATTER | | | | |
| PM 1.0 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 1.8 |
| PM 2.5 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 15 | 3.5 |
| PM 10 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 50 | 29.5 |
| TSPM | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 48.3 |
| GASEOUS | | | | |
| TVOC | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | - | 0.10 |
| Carbon Dioxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 700 | 673 |
| Carbon Monoxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 9 | 2.1 |



Report No: QMTL/R-95567
Sample No: QMTL/S-95567

Date Reported: 29.02.2020
Date Received: 27.02.2020

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|-------------|---|-------|--------|---------|
| Temperature | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | °C | - | 24.2 |
| Humidity | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | % | Max 65 | 49.3 |

Remarks: The indoor quality performed meets with ANSI/ASHRAE standard 62.1-2016 for Ventilation for Acceptable Indoor Air Quality guideline with respect to the above tested parameters

Analysis performed by : 65
Report prepared by : 39
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

INDOOR AIR QUALITY MONITORING REPORT

REPORT NO: - QMTL/R-95566

| | | |
|--|---------------------------|------------------------------|
| CLIENT: M/S. CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi, U.A.E | | |
| ATTN: MR.JASMAN PINTO | | |
| PROJECT: INDOOR AIR QUALITY MONITORING AT ADGM BUILDING | | |
| Sampling location: Near Voice Data Room, 28th floor, Tower-2 | Sample ID : QMTL/S-95566 | |
| Sampling Method: BSEN 481:1993,60079-29-2-2015 | Date(s) Tested:27.02.2020 | |
| Date/Time of Sampling:27.02.2020 | Sampling Duration: STEL | Date Of Reporting:29.02.2020 |

TEST RESULTS

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|---------------------------|--|-------------------|---------|-------------|
| PARTICULATE MATTER | | | | |
| PM 1.0 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 1.3 |
| PM 2.5 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 15 | 4.5 |
| PM 10 | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | Max 50 | 19.2 |
| TSPM | BSEN 481:1993, QMTL-SOP-147 Rev 01 Dated 20.08.2019 | µg/m ³ | - | 37.5 |
| GASEOUS | | | | |
| TVOC | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | - | 0.12 |
| Carbon Dioxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 700 | 662 |
| Carbon Monoxide | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | ppm | Max 9 | 2.4 |



Report No: QMTL/R-95566
Sample No: QMTL/S-95566

Date Reported: 29.02.2020
Date Received: 27.02.2020

| PARAMETERS | TEST METHODS | UNITS | LIMITS | RESULTS |
|-------------|---|-------|--------|---------|
| Temperature | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | °C | - | 24.2 |
| Humidity | BSEN 60079-29-2-2015, QMT- SOP-146 Rev 01 Dated 20.08.2019 | % | Max 65 | 53.1 |

Remarks: The indoor quality performed meets with ANSI/ASHRAE standard 62.1-2016 for Ventilation for Acceptable Indoor Air Quality guideline with respect to the above tested parameters

Analysis performed by : 65
Report prepared by : 39
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