



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

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| CUSTOMER: TAFAWUQ FACILITY MANAGEMENT | |
| Site Location: City of Lights | Date: 08-11-2020 |
| Sample Point: Horizone Tower E1 building ETS Room (low zone) | Sampled By: Crystalline Rep |

CHILLED WATER ANALYSIS

| PARAMETER | CONTROL LIMITS | RESULTS |
|------------------------------------|-------------------------------------|---------|
| pH | 8.5 - 10.0 | 8.27 |
| Conductivity, μ s/cm | <2250 | 1823 |
| TDS, ppm | <1500 | 1184 |
| Chlorides as Cl ⁻ , ppm | <150 | 32 |
| Total Hardness, ppm | <100 ppm as CaCO ₃ | 40 |
| Total Alkalinity, ppm | <250 ppm as CaCO ₃ | 198 |
| Total Iron, ppm as Fe | <1.0 ppm as Fe ⁺⁺ | <0.10 |
| Nitrite, ppm | 800 - 1000 ppm as NaNO ₂ | 590 |

***All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μ mhos).

| COMMENTS: | ACTION: |
|---|---|
| The pH level is low \Rightarrow | Please maintained desired control limits. |
| Conductivity/TDS are found satisfactory. \Rightarrow | No action recommended. |
| Dissolved iron levels are control limits. \Rightarrow | No action recommended. |
| Nitrite levels are low \Rightarrow | Please maintained desired control limits. |

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | |
|---|-----------------------------|
| CUSTOMER: TAFAWUQ FACILITY MANAGEMENT | |
| Site Location: City of Lights | Date: 08-11-2020 |
| Sample Point: Horizone Tower E1 building ETS Room (high zone) | Sampled By: Crystalline Rep |

CHILLED WATER ANALYSIS

| PARAMETER | CONTROL LIMITS | RESULTS |
|--------------------------|-------------------------------------|---------|
| pH | 8.5 - 10.0 | 9.33 |
| Conductivity, μ s/cm | <2250 | 2400 |
| TDS, ppm | <1500 | 1560 |
| Chlorides as Cl-, ppm | <150 | 26 |
| Total Hardness, ppm | <100 ppm as CaCO ₃ | 33 |
| Total Alkalinity, ppm | <250 ppm as CaCO ₃ | 182 |
| Total Iron, ppm as Fe | <1.0 ppm as Fe ⁺⁺ | <0.10 |
| Nitrite, ppm | 800 - 1000 ppm as NaNO ₂ | 990 |

***All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μ mhos).

| COMMENTS: | ACTION: |
|---|--|
| The pH level is satisfactory | ⇒ No action recommended. |
| Conductivity/TDS are slightly high | ⇒ Please maintain the desired control limit. |
| Dissolved iron levels are satisfactory. | ⇒ No action recommended. |
| Nitrite levels are satisfactory | ⇒ No action recommended |

Reported By

Murugaraaj

Murugaraaj
Service Engineer





CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | |
|---|-----------------------------|
| CUSTOMER: TAFAWUQ FACILITY MANAGEMENT | |
| Site Location: City of Lights | Date: 08-11-2020 |
| Sample Point: Horizone Tower E2 building ETS Room | Sampled By: Crystalline Rep |

CHILLED WATER ANALYSIS

| PARAMETER | CONTROL LIMITS | RESULTS |
|--------------------------|-------------------------------------|---------|
| pH | 8.5 - 10.0 | 8.29 |
| Conductivity, μ s/cm | <2250 | 2209 |
| TDS, ppm | <1500 | 1435 |
| Chlorides as Cl-, ppm | <150 | 36 |
| Total Hardness, ppm | <100 ppm as CaCO ₃ | 46 |
| Total Alkalinity, ppm | <250 ppm as CaCO ₃ | 170 |
| Total Iron, ppm as Fe | <1.0 ppm as Fe ⁺⁺ | <0.10 |
| Nitrite, ppm | 800 - 1000 ppm as NaNO ₂ | 770 |

***All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μ mhos).

| COMMENTS: | ACTION: |
|--|---|
| The pH level is low | ⇒ Please maintained desired control limits. |
| Conductivity/TDS are found satisfactory. | ⇒ No action recommended. |
| Dissolved iron levels are satisfactory. | ⇒ No action recommended. |
| Nitrite levels are Low. | ⇒ Please maintained desired control limits. |

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW