



# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	
Site Location: City of Lights	Date: 08-11-2020
Sample Point: Marina Bay C2 building ETS Room	Sampled By: Crystalline Rep

### CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
pH	8.5 - 10.0	8.08
Conductivity, $\square$ s/cm	<2250	1215
TDS, ppm	<1500	789
Chlorides as Cl <sup>-</sup> , ppm	<150	62
Total Hardness, ppm	<100 ppm as CaCO <sub>3</sub>	74
Total Alkalinity, ppm	<250 ppm as CaCO <sub>3</sub>	186
Total Iron, ppm as Fe	<1.0 ppm as Fe <sup>++</sup>	0.28
Nitrite, ppm	800 - 1000 ppm as NaNO <sub>2</sub>	410

\*\*\*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity ( $\square$ mhos).

COMMENTS:	ACTION:
The pH level is high $\Rightarrow$	Please maintained desired control limits.
Conductivity/TDS are found satisfactory. $\Rightarrow$	No action recommended.
Dissolved iron levels are satisfactory. $\Rightarrow$	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: Marina Bay C3 building ETS Room	Sampled By: Crystalline Rep

### CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
pH	8.5 - 10.0	8.62
Conductivity, $\square$ s/cm	<2250	1431
TDS, ppm	<1500	930
Chlorides as Cl-, ppm	<150	70
Total Hardness, ppm	<100 ppm as CaCO <sub>3</sub>	82
Total Alkalinity, ppm	<250 ppm as CaCO <sub>3</sub>	170
Total Iron, ppm as Fe	<1.0 ppm as Fe <sup>++</sup>	0.32
Nitrite, ppm	800 - 1000 ppm as NaNO <sub>2</sub>	570

\*\*\*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity ( $\square$ mhos).

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

Reported By

  
Murugaraaj  
Service Engineer



**CLEANER WATER GREENER TOMORROW**