



**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19673



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18890

Sampling Date	: 12/09/2020	Report Date.	: 16/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 15/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: APHA 9060 A&B
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water Washroom
Sampling Point	: SV1	Preservation	: 4-8°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	100CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected= $\leq$ 1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**

**Dr. Suresh Murugan Ph.D**  
Head of Microbiology Department



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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19675



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18892

Sampling Date	: 12/09/2020	Report Date.	: 16/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 15/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: APHA 9060 A&B
Temperature °C	: 31.5	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water Washroom Tap
Sampling Point	: SV2	Preservation	: 4-8°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	100CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

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Head of Microbiology Department

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**Microbiology Test Report**

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**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19674



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18891

Sampling Date	: 12/09/2020	Report Date.	: 16/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 15/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: APHA 9060 A&B
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water
			Kitchen Tap
Sampling Point	: FR1	Preservation	: 4-8°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	100CFU/ml
Pseudomonas aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

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Head of Microbiology Department

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**Microbiology Test Report**

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P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19678



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18895

Sampling Date	: 12/09/2020	Report Date.	: 16/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 15/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: APHA 9060 A&B
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water Washroom
Sampling Point	: FF2 Female Side	Preservation	: 4-8°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	100CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

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Head of Microbiology Department

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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19677



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18894

Sampling Date	: 12/09/2020	Report Date.	: 16/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 15/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: APHA 9060 A&B
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water Washroom Tap
Sampling Point	: Male Side (MHW)	Preservation	: 4-8°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	100CFU/ml
Pseudomonas aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**



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Head of Microbiology Department

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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19676



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18893

Sampling Date	: 12/09/2020	Report Date.	: 15/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 15/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: APHA 9060 A&B
Temperature °C	: 30	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water Kitchen
Sampling Point	: MR1	Preservation	: 4-8°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	100CFU/ml
Pseudomonas aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected= $\leq$ 1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19687



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18904

Sampling Date	: 12/09/2020	Report Date.	: 22/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 22/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: BS 7592
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water
			Washroom
Sampling Point	: SV1	Preservation	: 10°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19689



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18906

Sampling Date	: 12/09/2020	Report Date.	: 22/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 22/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: BS 7592
Temperature °C	: 31.5	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water Washroom Tap
Sampling Point	: SV2	Preservation	: 10°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19688



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18905

Sampling Date	: 12/09/2020	Report Date.	: 22/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 22/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: BS 7592
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water
			Kitchen Tap
Sampling Point	: FR1	Preservation	: 10°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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Legionella Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19692



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18909

Sampling Date	: 12/09/2020	Report Date.	: 22/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 22/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: BS 7592
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water
			Washroom
Sampling Point	: FF2 Female Side	Preservation	: 10°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19690



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18907

Sampling Date	: 12/09/2020	Report Date.	: 22/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 22/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: BS 7592
Temperature °C	: 30	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water

Sampling Point	: MR1	Preservation	: 10°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2009-19691



Request No. : WA-Q-L-2009-02940

Sample No. : WA-S-L-2009-18908

Sampling Date	: 12/09/2020	Report Date.	: 22/09/2020
Analysis Start Date.	: 12/09/2020	Analysis End Date.	: 22/09/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1794	Sampling Method	: BS 7592
Temperature °C	: 31	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water
			Washroom Tap
Sampling Point	: Male Side (MHW)	Preservation	: 10°C
Sample Description	: Domestic Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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## CONSULTING SERVICE REPORT

<b>CUSTOMER: SERCO FACILITY MANAGEMENT.</b>	<b>To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER</b>	<b>DATE: 12-09-2020</b>
<b>SITE: ZAYED UNIVERSITY, ABU DHABI</b>	<b>Copy: SERCO</b>	<b>LOCATION: SV1 -Wash Room</b>

### WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 – 9.2	7.69			
Conductivity at 25°C, µs/cm	1600 Max.	261			
Total Dissolved Solids (TDS)	1000 Max.	169			
Total Hardness, ppm as CaCO <sub>3</sub>	300 Max.	54			
Calcium Hardness, ppm as CaCO <sub>3</sub>	200 Max.	51			
Chlorides (Cl <sup>-</sup> ), mg/l	250 Max.	39			
Sulphate (SO <sub>4</sub> ), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO <sub>3</sub> -N) mg/l	50 Max.	<1.0			
Nitrite (NO <sub>2</sub> -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

#### Treatment Residuals

Odor	Unobjectionabl	ND			
Turbidity in NTU	4.0 Max.	<1			

*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos)*

#### COMMENTS:

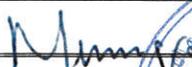
#### ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨

No action recommended.

#### INVENTORY LEVELS

#### DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
<b>Service Engineer:</b>	<b>Murugaraaj</b>	<b>Client:</b>	<b>Mr. MUHAMMED AFSHAR</b>	
<b>Signature:</b>		<b>Signature:</b>		



## CONSULTING SERVICE REPORT

<b>CUSTOMER: SERCO FACILITY MANAGEMENT.</b>	<b>To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER</b>	<b>DATE: 12-09-2020</b>
<b>SITE: ZAYED UNIVERSITY, ABU DHABI</b>	<b>Copy: SERCO</b>	<b>LOCATION: SV2 -Wash Room</b>

### WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 - 9.2	7.58			
Conductivity at 25°C, µs/cm	1600 Max.	247			
Total Dissolved Solids (TDS)	1000 Max.	160			
Total Hardness, ppm as CaCO <sub>3</sub>	300 Max.	62			
Calcium Hardness, ppm as CaCO <sub>3</sub>	200 Max.	54			
Chlorides (Cl <sup>-</sup> ), mg/l	250 Max.	39			
Sulphate (SO <sub>4</sub> ), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO <sub>3</sub> -N) mg/l	50 Max.	<1.0			
Nitrite (NO <sub>2</sub> -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

#### Treatment Residuals

Odor	Unobjectionabl	ND			
Turbidity in NTU	4.0 Max.	<1			

*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos)*

#### COMMENTS:

The pH and Conductivity/TDS are found satisfactory. ⇨

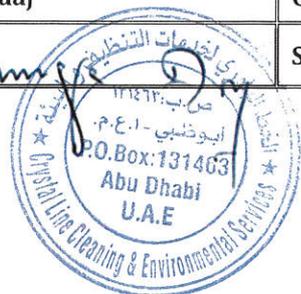
#### ACTION:

No action recommended.

#### INVENTORY LEVELS

#### DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
<b>Service Engineer:</b>	<b>Murugaraaj</b>		<b>Client:</b>	<b>Mr. MUHAMMED AFSHAR</b>
<b>Signature:</b>			<b>Signature:</b>	



## CONSULTING SERVICE REPORT

<b>CUSTOMER: SERCO FACILITY MANAGEMENT.</b>	<b>To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER</b>	<b>DATE: 12-09-2020</b>
<b>SITE: ZAYED UNIVERSITY, ABU DHABI</b>	<b>Copy: SERCO</b>	<b>LOCATION: FR1- Kitchen Tap</b>

### WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 – 9.2	7.74			
Conductivity at 25°C, µs/cm	1600 Max.	253			
Total Dissolved Solids (TDS)	1000 Max.	164			
Total Hardness, ppm as CaCO <sub>3</sub>	300 Max.	56			
Calcium Hardness, ppm as CaCO <sub>3</sub>	200 Max.	55			
Chlorides (Cl <sup>-</sup> ), mg/l	250 Max.	41			
Sulphate (SO <sub>4</sub> ), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO <sub>3</sub> -N) mg/l	50 Max.	<1.0			
Nitrite (NO <sub>2</sub> -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

#### Treatment Residuals

Odor	Unobjectionabl	ND			
Turbidity in NTU	4.0 Max.	<1			

*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos)*

#### COMMENTS:

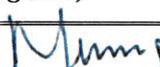
#### ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨

No action recommended.

#### INVENTORY LEVELS

#### DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
<b>Service Engineer:</b>	<b>Murugaraaj</b>		<b>Client:</b>	<b>Mr. MUHAMMED AFSHAR</b>
<b>Signature:</b>			<b>Signature:</b>	



## CONSULTING SERVICE REPORT

<b>CUSTOMER: SERCO FACILITY MANAGEMENT.</b>	<b>To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER</b>	<b>DATE: 12-09-2020</b>
<b>SITE: ZAYED UNIVERSITY, ABU DHABI</b>	<b>Copy: SERCO</b>	<b>LOCATION: FF2 - Wash Room</b>

### WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTBALE WATER			
pH at 25°C	7.0 - 9.2	7.58			
Conductivity at 25°C, µs/cm	1600 Max.	261			
Total Dissolved Solids (TDS)	1000 Max.	169			
Total Hardness, ppm as CaCO <sub>3</sub>	300 Max.	63			
Calcium Hardness, ppm as CaCO <sub>3</sub>	200 Max.	57			
Chlorides (Cl <sup>-</sup> ), mg/l	250 Max.	42			
Sulphate (SO <sub>4</sub> ), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO <sub>3</sub> -N) mg/l	50 Max.	<1.0			
Nitrite (NO <sub>2</sub> -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

#### Treatment Residuals

Odor	Unobjectionabl	ND			
Turbidity in NTU	4.0 Max.	<1			

*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos)*

#### COMMENTS:

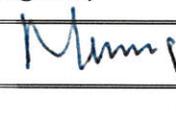
The pH and Conductivity/TDS are found satisfactory. ⇨

#### ACTION:

No action recommended.

#### INVENTORY LEVELS

#### DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
<b>Service Engineer:</b>	<b>Murugaraaj</b>		<b>Client:</b>	<b>Mr. MUHAMMED AFSHAR</b>
<b>Signature:</b>			<b>Signature:</b>	



## CONSULTING SERVICE REPORT

<b>CUSTOMER: SERCO FACILITY MANAGEMENT.</b>	<b>To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER</b>	<b>DATE: 12-09-2020</b>
<b>SITE: ZAYED UNIVERSITY, ABU DHABI</b>	<b>Copy: SERCO</b>	<b>LOCATION: Male Side (MHW)- Wash Room</b>

### WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 - 9.2	7.67			
Conductivity at 25°C, µs/cm	1600 Max.	256			
Total Dissolved Solids (TDS)	1000 Max.	166			
Total Hardness, ppm as CaCO <sub>3</sub>	300 Max.	66			
Calcium Hardness, ppm as CaCO <sub>3</sub>	200 Max.	57			
Chlorides (Cl <sup>-</sup> ), mg/l	250 Max.	43			
Sulphate (SO <sub>4</sub> ), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO <sub>3</sub> -N) mg/l	50 Max.	<1.0			
Nitrite (NO <sub>2</sub> -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

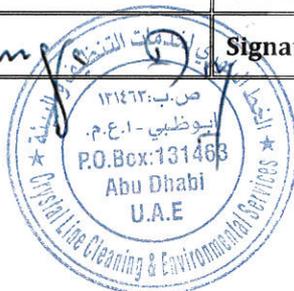
#### Treatment Residuals

Odor	Unobjectionabl	ND			
Turbidity in NTU	4.0 Max.	<1			

*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos)*

<b>COMMENTS:</b>	<b>ACTION:</b>
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
<b>Service Engineer:</b>	Murugaraaj		<b>Client:</b>	Mr. MUHAMMED AFSHAR
<b>Signature:</b>			<b>Signature:</b>	



## CONSULTING SERVICE REPORT

<b>CUSTOMER: SERCO FACILITY MANAGEMENT.</b>	<b>To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER</b>	<b>DATE: 12-09-2020</b>
<b>SITE: ZAYED UNIVERSITY, ABU DHABI</b>	<b>Copy: SERCO</b>	<b>LOCATION: MR1- Kitchen</b>

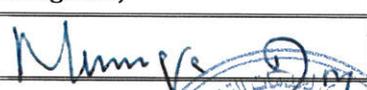
### WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 - 9.2	7.69			
Conductivity at 25°C, µs/cm	1600 Max.	257			
Total Dissolved Solids (TDS)	1000 Max.	167			
Total Hardness, ppm as CaCO <sub>3</sub>	300 Max.	61			
Calcium Hardness, ppm as CaCO <sub>3</sub>	200 Max.	57			
Chlorides (Cl <sup>-</sup> ), mg/l	250 Max.	45			
Sulphate (SO <sub>4</sub> ), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO <sub>3</sub> -N) mg/l	50 Max.	<1.0			
Nitrite (NO <sub>2</sub> -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals					
Odor	Unobjectionabl	ND			
Turbidity in NTU	4.0 Max.	<1			

*All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos)*

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇔	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
<b>Service Engineer:</b>	<b>Murugaraaj</b>		<b>Client:</b>	<b>Mr. MUHAMMED AFSHAR</b>
<b>Signature:</b>			<b>Signature:</b>	

