



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-2101-31745



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31181

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 30.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FSP Building
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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-2101-31747



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31183

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 37	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FRI Plant Room
Sampling Point	: Roof Top	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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

Report No. WA-R-L-2101-31748

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31184

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 30.3	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FRI Building
Sampling Point	: Pantry tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31749



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31185

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 45	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FDH Building
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

Signed for and on behalf of Wimpey Laboratories



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Head of Microbiology Department

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Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2101-31750



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31186

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 35	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FDH Building
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

Signed for and on behalf of Wimpey Laboratories

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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-2101-31751



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31187

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 37.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MDH Building
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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

Report No. WA-R-L-2101-31752

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31188

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 39	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MDH Building
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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-2101-31753



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31189

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 36.2	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MRI Building
Sampling Point	: Pantry tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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-2101-31754



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31190

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 39.3	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MRI Plant Room
Sampling Point	: Roof Top	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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

Report No. WA-R-L-2101-31758

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31194

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 29.8	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Convention Center
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

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-2101-31757



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31193

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 35	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Convention Center
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
Preservation	: 4-8°C	Sample Description	: 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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31760



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31196

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 30.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FSP Building
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31762



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31198

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 37	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FRI Plant Room
Sampling Point	: Roof Top	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Legionella Test Report

Customer Details

Report No. WA-R-L-2101-31763

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31199

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 30.3	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FRI Building
Sampling Point	: Pantry tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31764



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31200

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 45	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FDH Building
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: Water

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

Note : Limit of Detection= \leq 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Legionella Test Report

Customer Details

Report No. WA-R-L-2101-31765

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31201

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 35	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FDH Building
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31766



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31202

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 37.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MDH Building
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: Water

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

Note : Limit of Detection= \leq 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Legionella Test Report

Customer Details

Report No. WA-R-L-2101-31767

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31203

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 39	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MDH Building
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Legionella Test Report

Customer Details

Report No. WA-R-L-2101-31768

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31204

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 36.2	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MRI Building
Sampling Point	: Pantry tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31769



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31205

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 39.3	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: MRI Plant Room
Sampling Point	: Roof Top	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31773



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31209

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 29.8	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Convention Center
Sampling Point	: Washroom Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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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-2101-31772



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31208

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Hot Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 35	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Convention Center
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: 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 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; BS-British Standard; ISO-International Organization for Standardization.

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Head of Microbiology Department



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CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 05-01-2021
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: FSP BUILDING - WAH ROOM - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	WASHROOM TAP
pH at 25°C	7.0 - 9.2	7.89
Conductivity at 25°C, $\mu\text{S}/\text{cm}$	---	141
Total Dissolved Solids (TDS)	1000 Max.	91
Total Hardness, ppm as CaCO_3	300 Max.	75
Calcium Hardness, ppm as CaCO_3	200 Max.	68
Chlorides (Cl^-), mg/l	250 Max.	63
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite ($\text{NO}_2\text{-}$) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

COMMENTS:

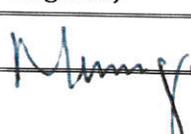
The pH and Conductivity/TDS are found satisfactory. \Rightarrow

ACTION:

No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY
MANAGEMENT.

To: MR. MUHAMMED AFSHAR
OPERATIONS ENGINEER

DATE: 05-01-2021

SITE: ZAYED UNIVERSITY, ABU DHABI

Copy: SERCO

LOCATION: FRI BUILDING ROOF
TOP PLANT - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	PLANT ROOM
pH at 25°C	7.0 - 9.2	8.53
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	167
Total Dissolved Solids (TDS)	1000 Max.	108
Total Hardness, ppm as CaCO_3	300 Max.	69
Calcium Hardness, ppm as CaCO_3	200 Max.	64
Chlorides (Cl^-), mg/l	250 Max.	59
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite ($\text{NO}_2\text{-}$) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

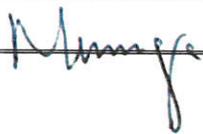
Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

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

INVENTORY LEVELS

DOSAGE SCHEDULE

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY
MANAGEMENT.

To: MR. MUHAMMED AFSHAR
OPERATIONS ENGINEER

DATE: 05-01-2021

SITE: ZAYED UNIVERSITY, ABU DHABI

Copy: SERCO

LOCATION: FRI BUILDING,
PANTRY TAP - HOTWATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	PANTRY TAP
pH at 25°C	7.0 - 9.2	8.08
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	134
Total Dissolved Solids (TDS)	1000 Max.	87
Total Hardness, ppm as CaCO_3	300 Max.	78
Calcium Hardness, ppm as CaCO_3	200 Max.	71
Chlorides (Cl^-), mg/l	250 Max.	67
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite ($\text{NO}_2\text{-}$) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

COMMENTS:

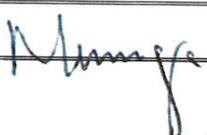
The pH and Conductivity/TDS are found satisfactory. \Rightarrow

ACTION:

No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY
MANAGEMENT.

To: MR. MUHAMMED AFSHAR
OPERATIONS ENGINEER

DATE: 05-01-2021

SITE: ZAYED UNIVERSITY, ABU DHABI

Copy: SERCO

LOCATION: FDH BUILDING,
KITCHEN TAP - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	KITCHEN TAP
pH at 25°C	7.0 - 9.2	8.07
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	143
Total Dissolved Solids (TDS)	1000 Max.	92
Total Hardness, ppm as CaCO_3	300 Max.	74
Calcium Hardness, ppm as CaCO_3	200 Max.	68
Chlorides (Cl^-), mg/l	250 Max.	63
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite ($\text{NO}_2\text{-}$) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

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

INVENTORY LEVELS

DOSAGE SCHEDULE

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

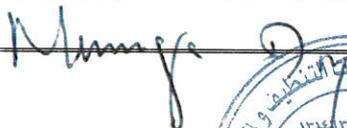


CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 05-01-2021		
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: FDH BUILDING, WASH ROOM TAP - HOT WATER		
POTABLE WATER ANALYSIS				
PARAMETER	CONTROL LIMITS	WASH ROOM TAP		
pH at 25°C	7.0 – 9.2	8.43		
Conductivity at 25°C, µs/cm	---	134		
Total Dissolved Solids (TDS)	1000 Max.	87		
Total Hardness, ppm as CaCO ₃	300 Max.	77		
Calcium Hardness, ppm as CaCO ₃	200 Max.	70		
Chlorides (Cl ⁻), mg/l	250 Max.	65		
Sulphate (SO ₄), 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 ₃ -N) mg/l	50 Max.	<1.0		
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1		
Fluorides (F)	1.5 Max.	<0.05		
Potassium (K)	12 Max.	<5.0		
Treatment Residuals				
Odor	Unobjectionable	ND		
Turbidity in NTU	4.0 Max.	<1		
<i>All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos)</i>				
COMMENTS:	ACTION:			
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.			
INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
Service Engineer:	Murugaraaj	Client:	Mr. MUHAMMED AFSHAR	
Signature:		Signature:		



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY
MANAGEMENT.

To: MR. MUHAMMED AFSHAR
OPERATIONS ENGINEER

DATE: 05-01-2021

SITE: ZAYED UNIVERSITY, ABU DHABI

Copy: SERCO

LOCATION: MDH BUILDING,
KITCHEN TAP - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	KITCHEN TAP
pH at 25°C	7.0 - 9.2	9.36
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	124
Total Dissolved Solids (TDS)	1000 Max.	80
Total Hardness, ppm as CaCO_3	300 Max.	70
Calcium Hardness, ppm as CaCO_3	200 Max.	67
Chlorides (Cl^-), mg/l	250 Max.	62
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite ($\text{NO}_2\text{-}$) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

COMMENTS:

The pH and Conductivity/TDS are found satisfactory. \Rightarrow

ACTION:

No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 05-01-2021
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: MDH BUILDING, WASH ROOM TAP - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	WASH ROOM TAP
pH at 25°C	7.0 - 9.2	8.13
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	128
Total Dissolved Solids (TDS)	1000 Max.	83
Total Hardness, ppm as CaCO_3	300 Max.	54
Calcium Hardness, ppm as CaCO_3	200 Max.	51
Chlorides (Cl^-), mg/l	250 Max.	39
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite ($\text{NO}_2\text{-}$) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0
Treatment Residuals		
Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

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

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY
MANAGEMENT.

To: MR. MUHAMMED AFSHAR
OPERATIONS ENGINEER

DATE: 05-01-2021

SITE: ZAYED UNIVERSITY, ABU DHABI

Copy: SERCO

LOCATION: MR1 BUILDING,
PANTRY TAP - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	PANTRY TAP
pH at 25°C	7.0 - 9.2	8.36
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	129
Total Dissolved Solids (TDS)	1000 Max.	83
Total Hardness, ppm as CaCO_3	300 Max.	80
Calcium Hardness, ppm as CaCO_3	200 Max.	76
Chlorides (Cl^-), mg/l	250 Max.	71
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite (NO_2^-) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

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

INVENTORY LEVELS

DOSAGE SCHEDULE

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 05-01-2021
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: MR1 BUILDING, PLANT ROOM - HOT WATER ROOF TOP

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	PLANT ROOM
pH at 25°C	7.0 - 9.2	8.22
Conductivity at 25°C, $\mu\text{S}/\text{cm}$	---	141
Total Dissolved Solids (TDS)	1000 Max.	91
Total Hardness, ppm as CaCO_3	300 Max.	82
Calcium Hardness, ppm as CaCO_3	200 Max.	77
Chlorides (Cl^-), mg/l	250 Max.	69
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite (NO_2^-) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

COMMENTS:

The pH and Conductivity/TDS are found satisfactory. \square

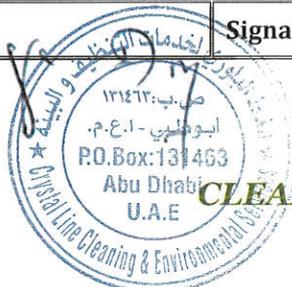
ACTION:

No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 05-01-2021
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: CONVENTION CENTER, WASH ROOM TAP - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	WASH ROOM TAP
pH at 25°C	7.0 - 9.2	7.95
Conductivity at 25°C, µs/cm	---	118
Total Dissolved Solids (TDS)	1000 Max.	76
Total Hardness, ppm as CaCO ₃	300 Max.	68
Calcium Hardness, ppm as CaCO ₃	200 Max.	63
Chlorides (Cl ⁻), mg/l	250 Max.	59
Sulphate (SO ₄), 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 ₃ -N) mg/l	50 Max.	<1.0
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO₃ 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
			--	
Service Engineer:	Murugaraaj	Client:	Mr. MUHAMMED AFSHAR	
Signature:		Signature:		



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 05-01-2021
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: CONVENTION CENTER, KITCHEN TAP - HOT WATER

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	KITCHEN TAP
pH at 25°C	7.0 - 9.2	8.05
Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	122
Total Dissolved Solids (TDS)	1000 Max.	79
Total Hardness, ppm as CaCO_3	300 Max.	76
Calcium Hardness, ppm as CaCO_3	200 Max.	68
Chlorides (Cl^-), mg/l	250 Max.	61
Sulphate (SO_4), 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 ($\text{NO}_3\text{-N}$) mg/l	50 Max.	<1.0
Nitrite (NO_2^-) mg/l	3.0 Max.	<0.1
Fluorides (F)	1.5 Max.	<0.05
Potassium (K)	12 Max.	<5.0

Treatment Residuals

Odor	Unobjectionable	ND
Turbidity in NTU	4.0 Max.	<1

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos)

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

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	

Service Engineer:	Murugaraaj	Client:	Mr. MUHAMMED AFSHAR
Signature:		Signature:	



CLEANER WATER GREENER TOMORROW