



Legionella Test Report

Customer Details

Report No. WA-R-L-2007-13961

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13487

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Convention Centre
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Legionella Test Report

Customer Details

Report No. WA-R-L-2007-13960

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13486

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 42	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water FSP
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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-2007-13959



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13485

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water FR1
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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

Report No. WA-R-L-2007-13958

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13484

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 44	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water FDH
Sampling Point	: Female Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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

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Report No. WA-R-L-2007-13957

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13483

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 42	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water MDH
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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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Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2007-13956



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13482

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water MR1
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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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Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2007-13955



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13481

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 45	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water MR1
Sampling Point	: Kitchen Tap (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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

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Report No. WA-R-L-2007-13954

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13480

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 44	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV2
Sampling Point	: Female Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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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Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2007-13953



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13479

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV2
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



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Senior Microbiologist

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Legionella Test Report

Customer Details

Report No. WA-R-L-2007-13952

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13478

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 44.7	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV1
Sampling Point	: Female Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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-2007-13951



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13477

Sampling Date	: 09/07/2020	Report Date.	: 20/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 19/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: BS 7592
Temperature °C	: 45	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV1
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 10°C
Sample Description	: Potable Water	Client Reference	: N/A

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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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13946

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13472

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Convention Centre
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Water	Client Reference	: N/A

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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Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13945

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13471

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 42	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water FSP
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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



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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13944

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13470

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water FR1
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13943

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13469

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 44	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water FDH
Sampling Point	: Female Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13942

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13468

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 42	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water MDH
Sampling Point	: Male Washroom(Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13941

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13467

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water MR1
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13940

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13466

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 45	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water MR1
Sampling Point	: Kitchen Tap (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13939

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13465

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 44	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV2
Sampling Point	: Female Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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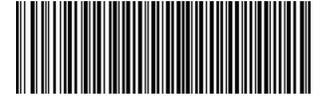
Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13938

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13464

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 43	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV2
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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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-2007-13937



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13463

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 44.7	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV1
Sampling Point	: Female Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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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-2007-13936



Request No. : WA-Q-L-2007-02072

Sample No. : WA-S-L-2007-13462

Sampling Date	: 09/07/2020	Report Date.	: 13/07/2020
Analysis Start Date.	: 09/07/2020	Analysis End Date.	: 12/07/2020
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 1092	Sampling Method	: APHA 9060 A & B
Temperature °C	: 45	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Potable Water SV1
Sampling Point	: Male Washroom (Hot Water)	Preservation	: 4-8°C
Sample Description	: Potable Water	Client Reference	: N/A

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.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: MR 1 – Kitchen, Hot Water Tap

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 – 9.2	8.56			
Conductivity at 25°C, µs/cm	1600 Max.	254			
Total Dissolved Solids (TDS)	1000 Max.	165			
Total Hardness, ppm as CaCO ₃	300 Max.	63			
Calcium Hardness, ppm as CaCO ₃	200 Max.	54			
Chlorides (Cl ⁻), mg/l	250 Max.	46			
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	Unobjectionabl	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:

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:		





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: MR 1 -Male Washroom, Hot Water

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 - 9.2	8.61			
Conductivity at 25°C, µs/cm	1600 Max.	241			
Total Dissolved Solids (TDS)	1000 Max.	156			
Total Hardness, ppm as CaCO ₃	300 Max.	57			
Calcium Hardness, ppm as CaCO ₃	200 Max.	53			
Chlorides (Cl ⁻), mg/l	250 Max.	45			
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	Unobjectionabl	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:		





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: MDH, Male Washroom, Hot Water

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 – 9.2	8.42			
Conductivity at 25°C, µs/cm	1600 Max.	247			
Total Dissolved Solids (TDS)	1000 Max.	160			
Total Hardness, ppm as CaCO ₃	300 Max.	57			
Calcium Hardness, ppm as CaCO ₃	200 Max.	52			
Chlorides (Cl ⁻), mg/l	250 Max.	46			
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	Unobjectionabl	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:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: Convention Centre, Hot Water Tap

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTBALE WATER			
pH at 25°C	7.0 - 9.2	8.15			
Conductivity at 25°C, µs/cm	1600 Max.	235			
Total Dissolved Solids (TDS)	1000 Max.	152			
Total Hardness, ppm as CaCO ₃	300 Max.	57			
Calcium Hardness, ppm as CaCO ₃	200 Max.	52			
Chlorides (Cl ⁻), mg/l	250 Max.	48			
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.	1.3			
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	Unobjectionabl	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 levels are high



ACTION:

Please maintain the desired control limit

INVENTORY LEVELS

DOSAGE SCHEDULE

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





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: FSP- Male Washroom, Hot Water Tap

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 – 9.2	8.19			
Conductivity at 25°C, µs/cm	1600 Max.	216			
Total Dissolved Solids (TDS)	1000 Max.	140			
Total Hardness, ppm as CaCO ₃	300 Max.	59			
Calcium Hardness, ppm as CaCO ₃	200 Max.	53			
Chlorides (Cl ⁻), mg/l	250 Max.	42			
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	Unobjectionabl	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:		



CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: FR1- Male Washroom, Hot Water Tap

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 – 9.2	8.20			
Conductivity at 25°C, µs/cm	1600 Max.	217			
Total Dissolved Solids (TDS)	1000 Max.	141			
Total Hardness, ppm as CaCO ₃	300 Max.	55			
Calcium Hardness, ppm as CaCO ₃	200 Max.	51			
Chlorides (Cl ⁻), mg/l	250 Max.	49			
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	Unobjectionabl	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:		





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: FDH, Female Washroom Hot Water

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 – 9.2	8.22			
Conductivity at 25°C, µs/cm	1600 Max.	224			
Total Dissolved Solids (TDS)	1000 Max.	145			
Total Hardness, ppm as CaCO ₃	300 Max.	57			
Calcium Hardness, ppm as CaCO ₃	200 Max.	52			
Chlorides (Cl ⁻), mg/l	250 Max.	41			
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	Unobjectionabl	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:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: SV2-Female Washroom, Hot Water Tap

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 – 9.2	8.32			
Conductivity at 25°C, µs/cm	1600 Max.	209			
Total Dissolved Solids (TDS)	1000 Max.	136			
Total Hardness, ppm as CaCO ₃	300 Max.	57			
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 (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	Unobjectionabl	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:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION:SV2- Male Washroom, Hot Water

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 - 9.2	8.14			
Conductivity at 25°C, µs/cm	1600 Max.	213			
Total Dissolved Solids (TDS)	1000 Max.	138			
Total Hardness, ppm as CaCO ₃	300 Max.	56			
Calcium Hardness, ppm as CaCO ₃	200 Max.	51			
Chlorides (Cl ⁻), mg/l	250 Max.	42			
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	Unobjectionabl	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:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: SV1- Female Washroom, Hot Water

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 - 9.2	8.16			
Conductivity at 25°C, µs/cm	1600 Max.	218			
Total Dissolved Solids (TDS)	1000 Max.	141			
Total Hardness, ppm as CaCO ₃	300 Max.	53			
Calcium Hardness, ppm as CaCO ₃	200 Max.	49			
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 (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	Unobjectionabl	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:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO FACILITY MANAGEMENT.	To: MR. MUHAMMED AFSHAR OPERATIONS ENGINEER	DATE: 09-07-2020
SITE: ZAYED UNIVERSITY, ABU DHABI	Copy: SERCO	LOCATION: SV1- Male Washroom, Hot water

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WAER			
pH at 25°C	7.0 - 9.2	8.12			
Conductivity at 25°C, µs/cm	1600 Max.	223			
Total Dissolved Solids (TDS)	1000 Max.	145			
Total Hardness, ppm as CaCO ₃	300 Max.	58			
Calcium Hardness, ppm as CaCO ₃	200 Max.	52			
Chlorides (Cl ⁻), mg/l	250 Max.	40			
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	Unobjectionabl	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:		

