



Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19909



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19120

Sampling Date	: 14/09/2020	Report Date.	: 17/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 17/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 9060 A & B
Temperature °C	: 31.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #01
Sampling Point	: Cooling Tower Basin	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	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	-

Note : Not Detected= \leq 1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19910



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19121

Sampling Date	: 14/09/2020	Report Date.	: 18/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 17/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 9060 A & B
Temperature °C	: 31.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #02
Sampling Point	: Cooling Tower Basin	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	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	-

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19911



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19122

Sampling Date	: 14/09/2020	Report Date.	: 17/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 17/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 9060 A & B
Temperature °C	: 32.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #03
Sampling Point	: Cooling Tower Basin	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	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	-

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

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Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19912



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19123

Sampling Date	: 14/09/2020	Report Date.	: 17/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 17/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 9060 A & B
Temperature °C	: 31.2	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #04
Sampling Point	: Cooling Tower Basin	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	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	-

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19901



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19112

Sampling Date	: 14/09/2020	Report Date.	: 18/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 17/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2059	Sampling Method	: APHA 9060 A & B
Temperature °C	: N/A	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Cooling Tower Makeup Water Tank
Sampling Point	: Valve	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	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	-

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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-2009-19927



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19138

Sampling Date	: 14/09/2020	Report Date.	: 24/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 24/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: BS 7592
Temperature °C	: 31.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #01
Sampling Point	: Cooling Tower Basin	Preservation	: 10°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection=<20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

Limit based on DM. Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

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-2009-19928



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19139

Sampling Date	: 14/09/2020	Report Date.	: 24/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 24/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: BS 7592
Temperature °C	: 31.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #02
Sampling Point	: Cooling Tower Basin	Preservation	: 10°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection=<20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

Limit based on DM. Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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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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-2009-19929



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19140

Sampling Date	: 14/09/2020	Report Date.	: 25/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 24/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: BS 7592
Temperature °C	: 32.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #03
Sampling Point	: Cooling Tower Basin	Preservation	: 10°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection=<20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

Limit based on DM. Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

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-2009-19930



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19141

Sampling Date	: 14/09/2020	Report Date.	: 24/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 24/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: BS 7592
Temperature °C	: 31.2	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #04
Sampling Point	: Cooling Tower Basin	Preservation	: 10°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection= \leq 20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

Limit based on DM. Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

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-2009-19919



Request No. : WA-Q-L-2009-02962

Sample No. : WA-S-L-2009-19130

Sampling Date	: 14/09/2020	Report Date.	: 24/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 24/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2059	Sampling Method	: BS 7592
Temperature °C	: N/A	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Cooling Tower Makeup Water Tank
Sampling Point	: Valve	Preservation	: 10°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection=<20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

Limit based on DM. Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Head of Microbiology Department

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Chemical Analysis Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19933



Sample No. : WA-S-L-2009-19144

Request No. : WA-Q-L-2009-02963

Sub Contractor :

Sampling Date	: 14/09/2020	Report Date.	: 19/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 19/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 1060 A & B
Temperature °C	: 31.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #01
Sampling Point	: Cooling Tower Basin	Preservation	: 4-8°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results
Calcium Hardness as CaCO ₃	APHA 3500 Ca B 23rd Ed. 2017	mg/L	252
Chloride	APHA 4500 Cl-B 23rd Ed. 2017	mg/L	112
Conductivity @ 25°C	APHA 2510 B 23rd Ed. 2017	µS/cm	946
Iron	APHA 3120 B & APHA 3030 E, 23rd edition, 2017	mg/L	<0.05
pH @25°C	APHA 4500 H+B 23rd Ed. 2017	--	8.6
Phosphate	HACH 8048	mg/L	21.7
Total Dissolved Solids(TDS)	APHA 2540 C 23rd Ed. 2017	mg/L	640
Analyst	Reviewed By	Method Variation	
LJ	ST	None	

Key Words :APHA- American Public Health Association, mg/L-milligrams per litter

Signed for and on behalf of Wimpey Laboratories



Dr. Sarah Titus Ph.D

Head of Chemistry Department

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Chemical Analysis Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19934



Sample No. : WA-S-L-2009-19145

Request No. : WA-Q-L-2009-02963

Sub Contractor :

Sampling Date	: 14/09/2020	Report Date.	: 19/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 19/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 1060 A & B
Temperature °C	: 31.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #02
Sampling Point	: Cooling Tower Basin	Preservation	: 4-8°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results
Calcium Hardness as CaCO3	APHA 3500 Ca B 23rd Ed. 2017	mg/L	252
Chloride	APHA 4500 Cl-B 23rd Ed. 2017	mg/L	112
Conductivity @ 25°C	APHA 2510 B 23rd Ed. 2017	µS/cm	910
Iron	APHA 3120 B & APHA 3030 E, 23rd edition, 2017	mg/L	<0.05
pH @25°C	APHA 4500 H+B 23rd Ed. 2017	--	8.7
Phosphate	HACH 8048	mg/L	22
Total Dissolved Solids(TDS)	APHA 2540 C 23rd Ed. 2017	mg/L	640
Analyst	Reviewed By	Method Variation	
LJ	ST	None	

Key Words :APHA- American Public Health Association, mg/L-milligrams per litter

Signed for and on behalf of Wimpey Laboratories

(Handwritten Signature)



Dr. Sarah Titus Ph.D

Head of Chemistry Department

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Chemical Analysis Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19935



Sample No. : WA-S-L-2009-19146

Request No. : WA-Q-L-2009-02963

Sub Contractor :

Sampling Date	: 14/09/2020	Report Date.	: 19/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 19/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 1060 A & B
Temperature °C	: 32.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #03
Sampling Point	: Cooling Tower Basin	Preservation	: 4-8°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results
Calcium Hardness as CaCO ₃	APHA 3500 Ca B 23rd Ed. 2017	mg/L	260
Chloride	APHA 4500 Cl-B 23rd Ed. 2017	mg/L	174
Conductivity @ 25°C	APHA 2510 B 23rd Ed. 2017	µS/cm	942
Iron	APHA 3120 B & APHA 3030 E, 23rd edition, 2017	mg/L	<0.05
pH @25°C	APHA 4500 H+B 23rd Ed. 2017	--	8.7
Phosphate	HACH 8048	mg/L	55
Total Dissolved Solids(TDS)	APHA 2540 C 23rd Ed. 2017	mg/L	661
Analyst	Reviewed By	Method Variation	
LJ	ST	None	

Key Words :APHA- American Public Health Association, mg/L-milligrams per litter

Signed for and on behalf of Wimpey Laboratories



Dr. Sarah Titus Ph.D

Head of Chemistry Department

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- End of Text -



Chemical Analysis Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2009-19936



Sample No. : WA-S-L-2009-19147

Request No. : WA-Q-L-2009-02963

Sub Contractor :

Sampling Date	: 14/09/2020	Report Date.	: 19/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 19/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2060	Sampling Method	: APHA 1060 A & B
Temperature °C	: 31.2	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor - Cooling Tower #04
Sampling Point	: Cooling Tower Basin	Preservation	: 4-8°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results
Calcium Hardness as CaCO ₃	APHA 3500 Ca B 23rd Ed. 2017	mg/L	260
Chloride	APHA 4500 Cl-B 23rd Ed. 2017	mg/L	174
Conductivity @ 25°C	APHA 2510 B 23rd Ed. 2017	µS/cm	941
Iron	APHA 3120 B & APHA 3030 E, 23rd edition, 2017	mg/L	<0.05
pH @25°C	APHA 4500 H+B 23rd Ed. 2017	--	8.8
Phosphate	HACH 8048	mg/L	54
Total Dissolved Solids(TDS)	APHA 2540 C 23rd Ed. 2017	mg/L	661
Analyst	Reviewed By	Method Variation	
LJ	ST	None	

Key Words :APHA- American Public Health Association, mg/L-milligrams per litter

Signed for and on behalf of Wimpey Laboratories



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Head of Chemistry Department

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Chemical Analysis Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. NA-R-L-2009-19932/R1



Request No. : WA-Q-L-2009-02963

Sample No. : WA-S-L-2009-19143

Sub Contractor :

Sampling Date	: 14/09/2020	Report Date.	: 19/09/2020
Analysis Start Date.	: 14/09/2020	Analysis End Date.	: 19/09/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 2059	Sampling Method	: APHA 1060 A & B
Site Observation	: Clear	Sampling Container	: Sterile Plastic Bottle
Source of Sample	: Cooling Tower Makeup Water Tank	Sampling Point	: Valve
Preservation	: 4-8°C	Sample Description	: Water

Parameters	Test Methods	Units	Results
Calcium Hardness as CaCO ₃	APHA 3500 Ca B 23rd Ed. 2017	mg/L	50
Chloride	APHA 4500 Cl-B 23rd Ed. 2017	mg/L	36
Conductivity @ 25°C	APHA 2510 B 23rd Ed. 2017	µS/cm	242
Iron	APHA 3120 B & APHA 3030 E, 23rd edition, 2017	mg/L	<0.05
pH @25°C	APHA 4500 H+B 23rd Ed. 2017	--	7.9
Phosphate	HACH 8048	mg/L	3.4
Total Dissolved Solids(TDS)	APHA 2540 C 23rd Ed. 2017	mg/L	155

Analyst	Reviewed By	Method Variation
LJ	ST	None

Key Words :APHA- American Public Health Association, mg/L-milligrams per litter

Signed for and on behalf of Wimpey Laboratories

Dr. Sarah Titus Ph.D

Head of Chemistry Department



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