



**Microbiology Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6905



Request No. : WA-Q-L-2004-1117	Sample No. : WA-S-L-2004-6748
Sampling Date/time : 11/4/2020 , 10:00	Report Date. : 13/4/2020
Analysis Start Date. : 11/4/2020	Analysis End Date. : 13/4/2020
Sample Location. : MOUNTAIN GATE	Sampled By : Client
Sample Identification : NOT GIVEN	Sample Submitted as : WATER
Sample Certificate No : NOT APPLICABLE	Sampling Method : NOT GIVEN
Temperature °C : NOT GIVEN	Site Observation : NOT GIVEN
Sampling Container : PLASTIC BOTTLE	Source of Sample : MAIN TANK
Sampling Point : NOT GIVEN	Preservation : NOT APPLICABLE
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**

Senior Microbiologist

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**Legionella Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6904



Request No.	: WA-Q-L-2004-1117	Sample No.	: WA-S-L-2004-6748
Sampling Date/time	: 11/4/2020 , 10:00	Report Date.	: 21/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 21/4/2020
Sample Location.	: MOUNTAIN GATE	Sampled By	: Client
Sample Identification	: NOT GIVEN	Sample Submitted as	: WATER
Sample Certificate No	: NOT APPLICABLE	Sampling Method	: NOT GIVEN
Temperature °C	: NOT GIVEN	Site Observation	: NOT GIVEN
Sampling Container	: PLASTIC BOTTLE	Source of Sample	: MAIN TANK
Sampling Point	: NOT GIVEN	Preservation	: NOT APPLICABLE
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 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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**Microbiology Test Report**

**Customer Details**

Report No. WA-R-L-2004-6909

**Crystalline Environmental Services**



Request No.	: WA-Q-L-2004-1117	Sample No.	: WA-S-L-2004-6750
Sampling Date/time	: 11/4/2020 , 10:00	Report Date.	: 13/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 13/4/2020
Sample Location.	: MOUNTAIN GATE	Sampled By	: Client
Sample Identification	: NOT GIVEN	Sample Submitted as	: WATER
Sample Certificate No	: NOT APPLICABLE	Sampling Method	: NOT GIVEN
Temperature °C	: NOT GIVEN	Site Observation	: NOT GIVEN
Sampling Container	: PLASTIC BOTTLE	Source of Sample	: COOLER
Sampling Point	: NOT GIVEN	Preservation	: NOT APPLICABLE
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**  
Senior Microbiologist



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**Legionella Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6908



Request No.	: WA-Q-L-2004-1117	Sample No.	: WA-S-L-2004-6750
Sampling Date/time	: 11/4/2020 , 10:00	Report Date.	: 21/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 21/4/2020
Sample Location.	: MOUNTAIN GATE	Sampled By	: Client
Sample Identification	: NOT GIVEN	Sample Submitted as	: WATER
Sample Certificate No	: NOT APPLICABLE	Sampling Method	: NOT GIVEN
Temperature °C	: NOT GIVEN	Site Observation	: NOT GIVEN
Sampling Container	: PLASTIC BOTTLE	Source of Sample	: COOLER
Sampling Point	: NOT GIVEN	Preservation	: NOT APPLICABLE
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 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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**Microbiology Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6911



Request No. : WA-Q-L-2004-1117

Sample No. : WA-S-L-2004-6751

Sampling Date/time : 11/4/2020 , 10:00

Report Date. : 13/4/2020

Analysis Start Date. : 11/4/2020

Analysis End Date. : 13/4/2020

Sample Location. : MOUNTAIN GATE

Sampled By : Client

Sample Identification : NOT GIVEN

Sample Submitted as : WATER

Sample Certificate No : NOT APPLICABLE

Sampling Method : NOT GIVEN

Temperature °C : NOT GIVEN

Site Observation : NOT GIVEN

Sampling Container : PLASTIC BOTTLE

Source of Sample : KITCHEN

Sampling Point : NOT GIVEN

Preservation : NOT APPLICABLE

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= $\leq$ 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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**Legionella Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6910



Request No.	: WA-Q-L-2004-1117	Sample No.	: WA-S-L-2004-6751
Sampling Date/time	: 11/4/2020 , 10:00	Report Date.	: 21/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 21/4/2020
Sample Location.	: MOUNTAIN GATE	Sampled By	: Client
Sample Identification	: NOT GIVEN	Sample Submitted as	: WATER
Sample Certificate No	: NOT APPLICABLE	Sampling Method	: NOT GIVEN
Temperature °C	: NOT GIVEN	Site Observation	: NOT GIVEN
Sampling Container	: PLASTIC BOTTLE	Source of Sample	: KITCHEN
Sampling Point	: NOT GIVEN	Preservation	: NOT APPLICABLE
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 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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**Microbiology Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6907



Request No.	: WA-Q-L-2004-1117	Sample No.	: WA-S-L-2004-6749
Sampling Date/time	: 11/4/2020 , 10:00	Report Date.	: 13/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 13/4/2020
Sample Location.	: MOUNTAIN GATE	Sampled By	: Client
Sample Identification	: NOT GIVEN	Sample Submitted as	: WATER
Sample Certificate No	: NOT APPLICABLE	Sampling Method	: NOT GIVEN
Temperature °C	: NOT GIVEN	Site Observation	: NOT GIVEN
Sampling Container	: PLASTIC BOTTLE	Source of Sample	: WATRE TANK
Sampling Point	: NOT GIVEN	Preservation	: NOT APPLICABLE
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**

Senior Microbiologist



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**Legionella Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2004-6906



Request No.	: WA-Q-L-2004-1117	Sample No.	: WA-S-L-2004-6749
Sampling Date/time	: 11/4/2020 , 10:00	Report Date.	: 21/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 21/4/2020
Sample Location.	: MOUNTAIN GATE	Sampled By	: Client
Sample Identification	: NOT GIVEN	Sample Submitted as	: WATER
Sample Certificate No	: NOT APPLICABLE	Sampling Method	: NOT GIVEN
Temperature °C	: NOT GIVEN	Site Observation	: NOT GIVEN
Sampling Container	: PLASTIC BOTTLE	Source of Sample	: WATRE TANK
Sampling Point	: NOT GIVEN	Preservation	: NOT APPLICABLE
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 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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## POTABLE WATER ANALYSIS REPORT

**Client Name: Mountain Gate Property Investment LLC.**

<b>Site location</b>	Mountain Gate Labour Camp	<b>Service Visit:</b>	11-04-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	RCC WATER TANK
<b>Sample Type</b>	Potable Water		

### TEST RESULT

#### Physical Parameters

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.69
2	Conductivity at 25°C, µs/cm	----	198
3	Total Dissolved Solids (TDS)	Max 1000	128
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.61
7	Calcium Hardness at 25°C	200	49
8	Total Hardness at 25°C	300	52

#### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	39
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine levels are high
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,  
*Murugaraaj*  
Murugaraaj  
Service Engineer



## POTABLE WATER ANALYSIS REPORT

**Client Name: Mountain Gate Property Investment LLC.**

<b>Site location</b>	Mountain Gate Labour Camp	<b>Service Visit:</b>	11-04-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Water Cooler
<b>Sample Type</b>	Potable Water		

### TEST RESULT

#### Physical Parameters

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.64
2	Conductivity at 25°C, µs/cm	----	188
3	Total Dissolved Solids (TDS)	Max 1000	122
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.38
7	Calcium Hardness at 25°C	200	62
8	Total Hardness at 25°C	300	54

#### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	39
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is satisfactory
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

*P. Murugaraaj*  
Murugaraaj  
Service Engineer



## POTABLE WATER ANALYSIS REPORT

<b>Client Name: Mountain Gate Property Investment LLC.</b>			
<b>Site location</b>	Mountain Gate Labour Camp	<b>Service Visit:</b>	11-04-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Kitchen Cooking Area
<b>Sample Type</b>	Potable Water		

### TEST RESULT

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.98
2	Conductivity at 25°C, µs/cm	---	182
3	Total Dissolved Solids (TDS)	Max 1000	118
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.43
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	59

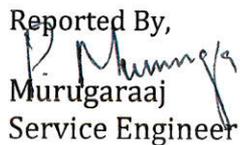
### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	40
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Residual chlorine level is satisfactory
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,  
  
 Murugaraaj  
 Service Engineer



CLEANER WATER GREENER TOMORROW

## POTABLE WATER ANALYSIS REPORT

<b>Client Name: Mountain Gate Property Investment LLC.</b>			
<b>Site location</b>	Mountain Gate Labour Camp	<b>Service Visit:</b>	11-04-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Wash Room – Water Tap
<b>Sample Type</b>	Potable Water		

### TEST RESULT

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.69
2	Conductivity at 25°C, µs/cm	----	195
3	Total Dissolved Solids (TDS)	Max 1000	126
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.48
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	61

### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	34
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Residual chlorine level is satisfactory
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,  
*P. Murugaraaj*  
Murugaraaj  
Service Engineer



CLEANER WATER GREENER TOMORROW