



**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-2011-27566



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26889

Sampling Date	: 25/11/2020	Report Date.	: 28/11/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 27/11/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Wash Room Tap (O Block)
Sampling Point	: Not Applicable	Intended Use	: Not Applicable
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 aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

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

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

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



**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-2011-27565



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26888

Sampling Date	: 25/11/2020	Report Date.	: 28/11/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 27/11/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Water Cooler Tap (O Block)
Sampling Point	: Not Applicable	Intended Use	: Not Applicable
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 aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

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

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

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



**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-2011-27564



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26887

Sampling Date	: 25/11/2020	Report Date.	: 28/11/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 27/11/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Kitchen Building
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
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 aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

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

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

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



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Microbiology Test Report**

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

Report No. WA-R-L-2011-27563



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26886

Sampling Date	: 25/11/2020	Report Date.	: 28/11/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 27/11/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Main Tank (Near O Block)
Sampling Point	: Not Applicable	Intended Use	: Not Applicable
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 aeroginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

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

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

Analyst	Reviewed By	Method Variation
HS	SM	None

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

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



**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-2011-27562



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26885

Sampling Date	: 25/11/2020	Report Date.	: 05/12/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 05/12/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Wash Room Tap (O Block)
Sampling Point	: Not Applicable	Intended Use	: Not Applicable
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**

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-2011-27561



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26884

Sampling Date	: 25/11/2020	Report Date.	: 05/12/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 05/12/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Water Cooler Tap (O Block)
Sampling Point	: Not Applicable	Intended Use	: Not Applicable
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**

Head of Microbiology Department

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**Legionella Test Report**

**Customer Details**

Report No. WA-R-L-2011-27560

**Crystalline Cleaning & Environmental Services**

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



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26883

Sampling Date	: 25/11/2020	Report Date.	: 05/12/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 05/12/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Kitchen Building
Sampling Point	: Kitchen Tap	Intended Use	: Not Applicable
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**



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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-2011-27559



Request No. : WA-Q-L-2011-03941

Sample No. : WA-S-L-2011-26882

Sampling Date	: 25/11/2020	Report Date.	: 05/12/2020
Analysis Start Date.	: 25/11/2020	Analysis End Date.	: 05/12/2020
Sample Location.	: Mountain Gate Properties	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Main Tank (Near O Block)
Sampling Point	: Not Applicable	Intended Use	: Not Applicable
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**

Head of Microbiology Department

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## CRYSTALLINE ENVIRONMENTAL SERVICES

### **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>	25-11-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Main Water Tank (Near O Block)
<b>Sample Type</b>	Potable Water		

<b>TEST RESULT</b>			
	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	7.65
2	Conductivity at 25°C, µs/cm	----	206
3	Total Dissolved Solids (TDS)	Max 1000	134
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.32
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	58
<b>Inorganic Chemical Parameters</b>			
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).

<b>COMMENTS AND RECOMMENDATIONS</b>	
1	PH, Conductivity & TDS levels are normal
2	Residual chlorine levels are normal
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraa  
Service Engineer



**CLEANER WATER GREENER TOMORROW**



## CRYSTALLINE ENVIRONMENTAL SERVICES

### 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>	25-11-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Water Cooler Tap (O Block)
<b>Sample Type</b>	Potable Water		

#### TEST RESULT

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.28
2	Conductivity at 25°C, µs/cm	----	162
3	Total Dissolved Solids (TDS)	Max 1000	105
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.21
7	Calcium Hardness at 25°C	200	44
8	Total Hardness at 25°C	300	52
<b>Inorganic Chemical Parameters</b>			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	26
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**



## CRYSTALLINE ENVIRONMENTAL SERVICES

### 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>	25-11-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Kitchen Tap (Kitchen Building)
<b>Sample Type</b>	Potable Water		

<b>TEST RESULT</b>			
	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	7.84
2	Conductivity at 25°C, µs/cm	----	176
3	Total Dissolved Solids (TDS)	Max 1000	114
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.26
7	Calcium Hardness at 25°C	200	51
8	Total Hardness at 25°C	300	57

#### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	32
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,

Murugaraa  
Service Engineer



**CLEANER WATER GREENER TOMORROW**



## CRYSTALLINE ENVIRONMENTAL SERVICES

# 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>	25-11-2020
<b>Sampled By</b>	Crystalline Rep	<b>Sample Location</b>	Washroom Tap (O Block)
<b>Sample Type</b>	Potable Water		

### TEST RESULT

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.64
2	Conductivity at 25°C, µs/cm	----	171
3	Total Dissolved Solids (TDS)	Max 1000	113
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.25
7	Calcium Hardness at 25°C	200	47
8	Total Hardness at 25°C	300	55

### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	35
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,

Murugaran  
Service Engineer



CLEANER WATER GREENER TOMORROW