

TEST REPORT

Client Name	Crystalline Cleaning and Environmental Services, Sole Proprietorship LLC	Report No	ACE-25-R-723
Attention Person	Mr. Jasman Pinto	Sample No	ACE-25-S-723
Address & Location	PO Box 131463, Abu Dhabi, United Arab Emirates	Date Reported	13/01/2025
		Sample Certificate No	1280
Sample Description	Water	Sampling Date / Time	10/01/2025/ 10.25am
Sampling Point	Tower A P3 Pump Room Water Tank	Sample Received/ Date/Time/ Temp °C	10/01/2025 / 3.30 pm /4°C
Sample Location	Rihan Heights Abu Dhabi	Date(s) Tested	10-12/01/2025
Source of Sample	Tank	Sampling Method	ACE-MB-SOP-11
Onsite Treatment/ Preservation of Sample	NP	Sample Collected By	ACE Rep
Sample Container	1 × 500ml PB	Sample Onsite Temperature °C	26.2° C
Client Reference	Not Applicable	Sample Appearance	Clear

MICROBIOLOGICAL ANALYSIS OF WATER

PARAMETERS	METHODS	UNITS	LIMITS	RESULTS
Heterotrophic Plate Count	APHA 9215B (24 th Edition) 2023	CFU/ml	-	87
Total Coliform	APHA 9222B (24 th Edition) 2023	CFU/100ml	Zero	Zero
Faecal Coliform	APHA 9222D (24 th Edition) 2023	CFU/100ml	Zero	Zero
<i>Escherichia coli</i>	APHA 9222I (24 th Edition) 2023	CFU/100ml	Zero	Zero
<i>Pseudomonas aeruginosa</i>	ISO: 16266/2006	CFU/100ml	Zero	Zero
<i>Enterococci</i>	BS EN/ISO: 7899-2:2000	CFU/100ml	Zero	Zero
Remarks	The sample meets Department of Energy Water Quality Regulations (5 th Edition/ DoE/PD/R01/003) January 2021 requirements for potable water with respect to the above tests only.			
Test Method Variation	None			
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DoE: Department of Energy, NP: Not provided			
Test Performed By (Emp ID)			07	
Report Prepared By (Emp ID)			08	
The above test results are only applicable to the sample(s) referred above.				

Signed for and on behalf of ACE Laboratories Sole proprietorship LLC


Prabakaran Ganesan M.Phil., Ph.D.
Laboratory Manager

Results relate only to the item tested.

This report shall not be produced in full, without the written approval of the laboratory.



-End of Report-

R-W-01 Issue: 1; 05-11-2023 Rev:00

TEST REPORT

Client Name	Crystalline Cleaning and Environmental Services, Sole Proprietorship LLC	Report No	ACE-25-R-732
Attention Person	Mr. Jasman Pinto	Sample No	ACE-25-S-732
Address & Location	PO Box 131463, Abu Dhabi, United Arab Emirates	Date Reported	13/01/2025
		Sample Certificate No	1280
Sample Description	Water	Sampling Date / Time	10/01/2025/ 11.55 am
Sampling Point	Tower A Level 31 Water Tank NO.01	Sample Received/ Date/Time/ Temp °C	10/01/2025 / 3.30 pm /4°C
Sample Location	Rihan Heights Abu Dhabi	Date(s) Tested	10-12/01/2025
Source of Sample	Tank	Sampling Method	ACE-MB-SOP-11
Onsite Treatment/ Preservation of Sample	NP	Sample Collected By	ACE Rep
Sample Container	1 × 500ml PB	Sample Onsite Temperature °C	26.6 ° C
Client Reference	Not Applicable	Sample Appearance	Clear

MICROBIOLOGICAL ANALYSIS OF WATER

PARAMETERS	METHODS	UNITS	LIMITS	RESULTS
Heterotrophic Plate Count	APHA 9215B (24 th Edition) 2023	CFU/ml	-	56
Total Coliform	APHA 9222B (24 th Edition) 2023	CFU/100ml	Zero	Zero
Faecal Coliform	APHA 9222D (24 th Edition) 2023	CFU/100ml	Zero	Zero
<i>Escherichia coli</i>	APHA 9222I (24 th Edition) 2023	CFU/100ml	Zero	Zero
<i>Pseudomonas aeruginosa</i>	ISO: 16266/2006	CFU/100ml	Zero	Zero
<i>Enterococci</i>	BS EN/ISO: 7899-2:2000	CFU/100ml	Zero	Zero
Remarks	The sample meets Department of Energy Water Quality Regulations (5 th Edition/ DoE/PD/R01/003) January 2021 requirements for potable water with respect to the above tests only.			
Test Method Variation	None			
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DoE: Department of Energy, NP: Not provided			
Test Performed By (Emp ID)			07	
Report Prepared By (Emp ID)			08	
The above test results are only applicable to the sample(s) referred above.				

Signed for and on behalf of ACE Laboratories Sole proprietorship LLC



For, Prabakaran Ganesan M.Phil., Ph.D.
Laboratory Manager

Results relate only to the item tested.

This report shall not be produced in full, without the written approval of the laboratory.



-End of Report-

R-W-O1 Issue: 1; 05-11-2023 Rev:00

TEST REPORT

Client Name	Crystalline Cleaning and Environmental Services, Sole Proprietorship LLC	Report No	ACE-25-R-737
Attention Person	Mr. Jasman Pinto	Sample No	ACE-25-S-737
Address & Location	PO Box 131463, Abu Dhabi, United Arab Emirates	Date Reported	22/01/2025
		Sample Certificate No	1280
Sample Description	Water	Sampling Date / Time	10/01/2025/ 10.25 am
Sampling Point	Tower A P3 Pump Room Water Tank	Sample Received Date / Time/ Temp °C	10/01/2025/ 3.30 pm/24°C
Sample Location	Rihan Heights, Abu Dhabi	Date(s) Tested	10-20/01/2025
Source of Sample	Tank	Sampling Method	ACE-MB-SOP-12
Onsite Treatment/Preservation of Sample	24°C	Sample Collected By	ACE Rep
Sample Container	1 × 1 L PB	Sample Onsite Temperature °C	26.2°C
Client Reference	Not Applicable	Sample Appearance	Clear

LEGIONELLA ANALYSIS OF WATER

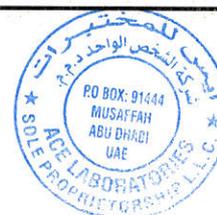
PARAMETERS	METHODS	UNITS	LIMITS	RESULTS
LEGIONELLA ANALYSIS				
Legionella	ISO 11731:2017 E (Matrix A; Procedure 5)	CFU/Litre	<1	<1
IDENTIFICATION				
Legionella Species	ISO 11731:2017 E	-	-	Absent
<i>Legionella pneumophila</i> sero group 1	ISO 11731:2017 E	-	-	Absent
<i>Legionella pneumophila</i> sero group 2 - 15	ISO 11731:2017 E	-	-	Absent
Remarks	The sample meets Department of Energy Water Quality Regulations (5 th Edition/ DoE/PD/R01/003) January 2021 requirements for potable water with respect to the above tests only.			
Test Method Variation	None			
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DoE: Department of Energy, NA: Not provided: Culture Media Used: BCYE Agar			
Test Performed By (Emp ID)	07			
Report Prepared By (Emp ID)	08			
The above test results are only applicable to the sample(s) referred above.				

Signed for and on behalf of ACE Laboratories Sole proprietorship LLC

Dr.Sathish Kumar
Head of Department Microbiology

Results relate only to the item tested.

This report shall not be produced in full, without the written approval of the laboratory.



-End of Report-

R-W-O1 Issue: 1; 05-11-2023 Rev:00

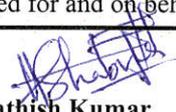
TEST REPORT

Client Name	Crystalline Cleaning and Environmental Services, Sole Proprietorship LLC	Report No	ACE-25-R-746
Attention Person	Mr. Jasman Pinto	Sample No	ACE-25-S-746
Address & Location	PO Box 131463, Abu Dhabi, United Arab Emirates	Date Reported	22/01/2025
		Sample Certificate No	1280
Sample Description	Water	Sampling Date / Time	10/01/2025/ 11.55am
Sampling Point	Tower A Level 31 Water Tank No:01	Sample Received Date / Time/ Temp °C	10/01/2025/ 3.30 pm/24°C
Sample Location	Rihan Heights, Abu Dhabi	Date(s) Tested	10-20/01/2025
Source of Sample	Tank	Sampling Method	ACE-MB-SOP-12
Onsite Treatment/Preservation of Sample	24°C	Sample Collected By	ACE Rep
Sample Container	1 × 1 L PB	Sample Onsite Temperature °C	26.6°C
Client Reference	Not Applicable	Sample Appearance	Clear

LEGIONELLA ANALYSIS OF WATER

PARAMETERS	METHODS	UNITS	LIMITS	RESULTS
LEGIONELLA ANALYSIS				
Legionella	ISO 11731:2017 E (Matrix A; Procedure 5)	CFU/Litre	<1	<1
IDENTIFICATION				
Legionella Species	ISO 11731:2017 E	-	-	Absent
<i>Legionella pneumophila</i> sero group 1	ISO 11731:2017 E	-	-	Absent
<i>Legionella pneumophila</i> sero group 2 - 15	ISO 11731:2017 E	-	-	Absent
Remarks	The sample meets Department of Energy Water Quality Regulations (5 th Edition/ DoE/PD/R01/003) January 2021 requirements for potable water with respect to the above tests only.			
Test Method Variation	None			
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DoE: Department of Energy, NA: Not provided: Culture Media Used: BCYE Agar			
Test Performed By (Emp ID)	07			
Report Prepared By (Emp ID)	08			
The above test results are only applicable to the sample(s) referred above.				

Signed for and on behalf of ACE Laboratories Sole proprietorship LLC

For 
Dr. Sathish Kumar
Head of Department Microbiology

Results relate only to the item tested.

This report shall not be produced in full, without the written approval of the laboratory.



-End of Report-

R-W-O1 Issue: 1; 05-11-2023 Rev:00

TEST REPORT

Client Name	Crystalline Cleaning and Environmental Services, Sole Proprietorship LLC	Report No	ACE-25-R-751
Attention Person	Mr. Jasman Pinto	Sample No	ACE-25-S-751
Address & Location	PO Box 131463, Abu Dhabi, United Arab Emirates	Date Reported	12.01.2025
		Sample Certificate No	1280
Sample Description	Potable Water	Sampling Date / Time	10.01.2025/10.25am
Sampling Point	Tower A P3 Pump Room Water Tank	Sample Received Date / Time/ Temp °C	10.01.2025/ 3.30 pm/ 4 °C
Sample Location	Rihan Heights, Abu Dhabi	Date(s) Tested	10.01.2025-11.01.2025
Source of Sample	Tank	Sampling Method	ACE-CH-SOP-39
Onsite Treatment/Preservation of Sample	NA	Sample Collected By	ACE Rep
Sample Container	1×500 ml PB	Sample Onsite Temperature °C	26.2°C
Client Reference	NA	Sample Appearance	Clear

CHEMICAL ANALYSIS OF WATER

PARAMETERS	METHODS	UNITS	LIMITS	RESULTS
pH @ 25°C	APHA 4500-H ⁺ B, (24 th Edition)2023	-	Min 7.0-Max 9.2	7.40
Total Intensity of Odor	ACE-CH-SOP-01 Issue 01 dated 28/11/2023 Rev 1 dated 05/03/2024 based on APHA 2150 C, (24 th Edition)2023	-	Unobjectionable	0 @ 25°C #
Apparent Colour	HACH Method 8025,10/2014 (Edition 10)	Pt-Co units	Max 15.0	<5
Turbidity	APHA 2130 B, (24 th Edition)2023	NTU	Max 4.0	0.10
Total Dissolved Solids dried at 180°C	APHA 2540 C, (24 th Edition)2023	mg/L	Min 100-Max 600	135
Total Hardness as CaCO ₃	APHA 2340 C, (24 th Edition)2023	mg/L	Max 300	51.0
Calcium Hardness as CaCO ₃	APHA 3500 Ca B, (24 th Edition)2023	mg/L	Max 200	33.0
Chloride	APHA 4500-Cl ⁻ B, (24 th Edition)2023	mg/L	Max 250	35.7

Sample No: ACE-25-S-751
Report No : ACE-25-R-751

Date Received : 10.01.2025
Date Reported : 12.01.2024

Nitrate as NO ₃ -N	HACH Method 8192, 01/2019 (Edition 11)	mg/L	Max 50.0	<0.01
Nitrite as NO ₂	HACH Method 8507, 08/2019 (Edition 11)	mg/L	Max 3.0	0.014
Sulphate	HACH Method 8051, 10/2019 (Edition 11)	mg/L	Max 250	<2
Remarks	The sample meets DoE Water Quality Regulations 2021 (Document no. DoE/PD/R01/003 Effective Date: 01/01/2021) for drinking water with respect to the above tests only. #Odor is unobjectionable			
Test Method Variation	None			
Keywords	pH: Potential Hydrogen, DoE: Department of Energy, APHA: American Public Health Association, NA: Not Applicable, NP: Not Provided			
Test Performed By (Emp ID)	05			
Report Prepared By (Emp ID)	08			
The above test results are only applicable to the sample(s) referred above.				

Signed for and on behalf of ACE Laboratories Sole proprietorship LLC



For, **Prabakaran Ganesan M.Phil., Ph.D.**
Laboratory Manager

Results relate only to the item tested.

This report shall not be produced in full, without the written approval of the laboratory.



-End of Report-

R-W-O1 Issue: 1; 05-11-2023 Rev:00

TEST REPORT

Client Name	Crystalline Cleaning and Environmental Services, Sole Proprietorship LLC	Report No	ACE-25-R-760
Attention Person	Mr. Jasman Pinto	Sample No	ACE-25-S-760
Address & Location	PO Box 131463, Abu Dhabi, United Arab Emirates	Date Reported	12.01.2025
		Sample Certificate No	1280
Sample Description	Potable Water	Sampling Date / Time	10.01.2025/11.55am
Sampling Point	Tower A Level 31 Water Tank No.01	Sample Received Date / Time/ Temp °C	10.01.2025/ 3.30 pm/ 4 °C
Sample Location	Rihan Heights, Abu Dhabi	Date(s) Tested	10.01.2025-11.01.2025
Source of Sample	Tank	Sampling Method	ACE-CH-SOP-39
Onsite Treatment/Preservation of Sample	NA	Sample Collected By	ACE Rep
Sample Container	1×500 ml PB	Sample Onsite Temperature °C	26.6°C
Client Reference	NA	Sample Appearance	Clear

CHEMICAL ANALYSIS OF WATER

PARAMETERS	METHODS	UNITS	LIMITS	RESULTS
pH @ 25°C	APHA 4500-H ⁺ B, (24 th Edition)2023	-	Min 7.0-Max 9.2	7.77
Total Intensity of Odor	ACE-CH-SOP-01 Issue 01 dated 28/11/2023 Rev 1 dated 05/03/2024 based on APHA 2150 C, (24 th Edition)2023	-	Unobjectionable	0 @ 25°C #
Apparent Colour	HACH Method 8025,10/2014 (Edition 10)	Pt-Co units	Max 15.0	<5
Turbidity	APHA 2130 B, (24 th Edition)2023	NTU	Max 4.0	0.10
Total Dissolved Solids dried at 180°C	APHA 2540 C, (24 th Edition)2023	mg/L	Min 100-Max 600	129
Total Hardness as CaCO ₃	APHA 2340 C, (24 th Edition)2023	mg/L	Max 300	51.0
Calcium Hardness as CaCO ₃	APHA 3500 Ca B, (24 th Edition)2023	mg/L	Max 200	19.6
Chloride	APHA 4500-Cl ⁻ B, (24 th Edition)2023	mg/L	Max 250	31.7

Sample No: ACE-25-S-760
Report No : ACE-25-R-760

Date Received : 10.01.2025
Date Reported : 12.01.2025

Nitrate as NO ₃ -N	HACH Method 8192, 01/2019 (Edition 11)	mg/L	Max 50.0	<0.01
Nitrite as NO ₂	HACH Method 8507, 08/2019 (Edition 11)	mg/L	Max 3.0	0.014
Sulphate	HACH Method 8051, 10/2019 (Edition 11)	mg/L	Max 250	<2
Remarks	The sample meets DoE Water Quality Regulations 2021 (Document no. DoE/PD/R01/003 Effective Date: 01/01/2021) for drinking water with respect to the above tests only. #Odor is unobjectionable			
Test Method Variation	None			
Keywords	pH: Potential Hydrogen, DoE: Department of Energy, APHA: American Public Health Association, NA: Not Applicable, NP: Not Provided			
Test Performed By (Emp ID)	05			
Report Prepared By (Emp ID)	08			
The above test results are only applicable to the sample(s) referred above.				

Signed for and on behalf of ACE Laboratories Sole proprietorship LLC



For, Prabakaran Ganesan M.Phil., Ph.D.
Laboratory Manager

Results relate only to the item tested.

This report shall not be produced in full, without the written approval of the laboratory.



-End of Report-

R-W-O1 Issue: 1; 05-11-2023 Rev:00