

Report No.: RP-21-1021
Date: 22/04/2021

Sample No.: SA-21-1021
Request No.: RQ-21-1021

LEGIONELLA TEST REPORT

| | | | |
|----------------------------------|---|---------------------|-----------------------|
| Client Name / Contractor | Crystalline Cleaning and Environmental Services | | |
| Client Address | Abu Dhabi, UAE | | |
| Project Name | Al Rayyana | | |
| Project Address | Abu Dhabi, UAE | | |
| Job Order No. | JO-21-012 | | |
| Sample Description | Water Sample | | |
| Sampling Date | 06/04/2021; 12:00 PM | Sampled by | Client Representative |
| Receiving Date | 12/04/2021; 11:00 AM | Received by | AML Representative |
| Location / Ref. No. | Al Rayyana | Delivered by | Client Representative |
| Source of Sample | Swimming Pool Water | Sample Type | Liquid |
| Sampling Method | NA | Sampling Point | Main Pool |
| Sample Size | 1 x 1L | Sample Container | Plastic |
| On Site Observations / Tests | On Site Temp. NA | Received Temp. 24°C | Appearance |
| On Site Preservation / Treatment | NA | | |

RESULTS OF ANALYSIS

DATE OF ANALYSIS 12/04/2021 - 22/04/2021

| PARAMETER | TEST METHOD | UNIT | RSB LIMITS | RESULT |
|-----------------------|------------------|-------|------------|--------|
| Legionella | ISO 11731:2017 E | CFU/L | Zero | <1 |
| IDENTIFICATION | | | | |
| Legionella Species | ISO 11731:2017 E | - | - | ND |

Key word: CFU-Colony forming units, RSB - Regulations and Supervision Bureau

ND - Not Detected; <1 is considered as not detected

The above test results are only applicable to the sample referred above.

Test Method Variation : None

Reference : APHA AWWA - 23RD edition standard methods for the examination of water and waste water

Remarks : None

Tested by : SPS

OK 22/4/2021

For Almubtakar Laboratory
Senior Microbiological Analyst



END OF REPORT

Report No.: RP-21-1022
Date: 22/04/2021

Sample No.: SA-21-1022
Request No.: RQ-21-1022

LEGIONELLA TEST REPORT

| | | | |
|----------------------------------|---|---------------------|-----------------------|
| Client Name / Contractor | Crystalline Cleaning and Environmental Services | | |
| Client Address | Abu Dhabi, UAE | | |
| Project Name | Al Rayyana | | |
| Project Address | Abu Dhabi, UAE | | |
| Job Order No. | JO-21-012 | | |
| Sample Description | Water Sample | | |
| Sampling Date | 06/04/2021; 12:00 PM | Sampled by | Client Representative |
| Receiving Date | 12/04/2021; 11:00 AM | Received by | AML Representative |
| Location / Ref. No. | Al Rayyana | Delivered by | Client Representative |
| Source of Sample | Swimming Pool Water | Sample Type | Liquid |
| Sampling Method | NA | Sampling Point | Kids Pool |
| Sample Size | 1 x 1L | Sample Container | Plastic |
| On Site Observations / Tests | On Site Temp. NA | Received Temp. 24°C | Appearance |
| On Site Preservation / Treatment | NA | | |

RESULTS OF ANALYSIS

DATE OF ANALYSIS

12/04/2021 - 22/04/2021

| PARAMETER | TEST METHOD | UNIT | RSB LIMITS | RESULT |
|-----------------------|------------------|-------|------------|--------|
| Legionella | ISO 11731:2017 E | CFU/L | Zero | <1 |
| IDENTIFICATION | | | | |
| Legionella Species | ISO 11731:2017 E | - | - | ND |

Key word: CFU-Colony forming units, RSB - Regulations and Supervision Bureau

ND - Not Detected; <1 is considered as not detected

The above test results are only applicable to the sample referred above.

Test Method Variation : None

Reference : APHA AWWA - 23RD edition standard methods for the examination of water and waste water

Remarks : None

Tested by : SPS

OK 22/4/2021
For Almubtakar Laboratory
Senior Microbiological Analyst



END OF REPORT

SWIMMING POOL - WATER ANALYSIS REPORT

| | | | |
|--|-----------------|---------------------|--------------------|
| Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI | | | |
| Site Name: | AL RAYYANA | | |
| Sampled By | Crystalline Rep | Visit Date: | 06-04-2021 |
| Source of Sample | Swimming Pool | Sample Point | Main Swimming Pool |

TEST RESULT

| No | Parameter | Control limits | Test Results |
|----|-----------------------------|------------------|--------------|
| 1 | pH at 25°C | 7.2 - 7.6 | 7.56 |
| 2 | Conductivity at 25°C, µs/cm | --- | 208 |
| 3 | TDS, ppm | Max 1500 | 135 |
| 4 | Alkalinity | 80 - 120 | 83 |
| 5 | Calcium Hardness | 200 - 500 | 208 |
| 6 | Residual Chlorine | 1.0 - 3.0 | 1.17 |
| 7 | Cyanuric Acid | 20 - 60 | 22 |
| 8 | Dip slide | <10 ³ | ND |

*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit – No action Recommended.

Reported By,


Murugaraj
Service Engineer



SWIMMING POOL - WATER ANALYSIS REPORT

| | | | |
|--|-----------------|---------------------|--------------------|
| Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI | | | |
| Site Name: | AL RAYYANA | | |
| Sampled By | Crystalline Rep | Visit Date: | 06-04-2021 |
| Source of Sample | Swimming Pool | Sample Point | Kids Swimming Pool |

TEST RESULT

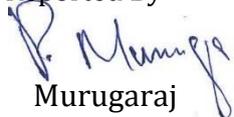
| No | Parameter | Control limits | Test Results |
|----|-----------------------------|------------------|--------------|
| 1 | pH at 25°C | 7.2 - 7.6 | 7.57 |
| 2 | Conductivity at 25°C, µs/cm | --- | 199 |
| 3 | TDS, ppm | Max 1500 | 129 |
| 4 | Alkalinity | 80 - 120 | 83 |
| 5 | Calcium Hardness | 200 - 500 | 206 |
| 6 | Residual Chlorine | 1.0 - 3.0 | 1.14 |
| 7 | Cyanuric Acid | 20 - 60 | 21 |
| 8 | Dip slide | <10 ³ | ND |

*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit – No action Recommended.

Reported By


Murugaraj
Service Engineer

