



TEST REPORT

Sample Number : SN-S-019/2010-00056
Report Number : AISL-RP-20-3144-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|------------------------------------------------------|-------------------------------------------------|
| Customer | Name | : Crystalline Cleaning & Environmental Services |
| | Address and Location | : Abu Dhabi, UAE |
| Project No | | : Not specified |
| Project Name | | : Not specified |
| Project Location | | : Rihan Heights |
| Project Consultant | | : Not specified |
| Sample Description | | : Water |
| Sampling Method | : APHA 9060 A,BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 17/10/2020 | Test Conducted By : SMK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Podium Level 3, Pump Room Water tank # 01 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 21.8 |
| Physical Observations | | : Satisfactory |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|---------------------------|---------------------------------|-----------|---------|----------------|
| E. coli | APHA AWWA 23rd Ed.2017, 9222B&H | CFU/100ml | Absent | Absent |
| Fecal Coliforms | APHA AWWA 23rd Ed. 2017, 9222D | CFU/100ml | Absent | Absent |
| Heterotrophic Plate Count | APHA AWWA 23rd Ed. 2017, 9215B | CFU/ml | 4 | 10 (max.) |
| Pseudomonas aeruginosa | APHA AWWA 23rd Ed. 2017, 9213 E | CFU/100ml | Absent | Absent |
| Total Coliforms | APHA AWWA 23rd Ed. 2017, 9222B | CFU/100ml | Absent | Absent |

Remarks : None,Report No,AISL-RP-20-3144 is superseded by Report No.AISL-RP-20-3144-Rev-1.
Test Method Deviation : None
Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

For Microbiology Parameter Results "<" symbol is considered as "Not Detected"

(-) Denotes no limit available

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Approved by Arun Bahulayan
Section Head - Microbiology

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TEST REPORT

Sample Number : SN-S-019/2010-00056
Report Number : AISL-RP-20-3145-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|------------------------------------------------------|---------------------------------------------|
| Customer | Name : Crystalline Cleaning & Environmental Services | Address and Location : Abu Dhabi, UAE |
| Project No | : Not specified | |
| Project Name | : Not specified | |
| Project Location | : Rihan Heights | |
| Project Consultant | : Not specified | |
| Sample Description | : Water | |
| Sampling Method | : APHA 9060 A,BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 24/10/2020 | Test Conducted By : CPK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Podium Level 3, Pump Room Water tank # 01 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 21.8 |
| Physical Observations | : Satisfactory | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|----------------------------------------|------------------|-------|---------|----------------|
| Legionella | ISO 11731 - 2017 | CFU/l | | Zero |
| Legionella Spp | | | Absent | |
| Legionella pneumophila Sero group-1 | | | Absent | |
| Legionella pneumophila Sero group-2-15 | | | Absent | |

Remarks : None, Matrix A, Procedures 5 & 7: Medium C, GVPC.
Report No, AISL-RP-20-3145 is superseded by Report No. AISL-RP-20-3145-Rev-1.

Test Method Deviation : None

Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00057
Report Number : AISL-RP-20-3143-Rev-1
Report Date : 02/11/2020



| | | | |
|-------------------------|------------------------------------------------------|------------------------|-------------------------|
| Customer | Name : Crystalline Cleaning & Environmental Services | | |
| | Address and Location : Abu Dhabi, UAE | | |
| Project No | : Not specified | | |
| Project Name | : Not specified | | |
| Project Location | : Rihan Heights | | |
| Project Consultant | : Not specified | | |
| Sample Description | : Water | | |
| Sampling Method | : APHA 9060 A, BS 7592 | Sampled By | : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No | : Not specified |
| Date of Analysis | : 14/10/2020 ~ 24/10/2020 | Test Conducted By | : CPK |
| Brand | : Not specified | Sampling Date/Time | : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 17, Water Tank # 01 | Receiving Date/Time | : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date | : Not specified |
| No. of Unit | : 01 | Expiry Date | : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C | : 23.2 |
| Physical Observations | : Satisfactory | | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|----------------------------------------|------------------|-------|---------|----------------|
| Legionella | ISO 11731 - 2017 | CFU/l | | Zero |
| Legionella Spp | | | Absent | |
| Legionella pneumophila Sero group-1 | | | Absent | |
| Legionella pneumophila Sero group-2-15 | | | Absent | |

Remarks : None, Matrix A, Procedures 5 & 7: Medium C, GVPC.
Report No, AISL-RP-20-3143 is superseded by Report No. AISL-RP-20-3143-Rev-1.

Test Method Deviation : None

Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00056
Report Number : AISL-RP-20-3144-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|------------------------------------------------------|---------------------------------------------|
| Customer | Name : Crystalline Cleaning & Environmental Services | Address and Location : Abu Dhabi, UAE |
| Project No | : Not specified | |
| Project Name | : Not specified | |
| Project Location | : Rihan Heights | |
| Project Consultant | : Not specified | |
| Sample Description | : Water | |
| Sampling Method | : APHA 9060 A,BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 17/10/2020 | Test Conducted By : SMK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Podium Level 3, Pump Room Water tank # 01 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 21.8 |
| Physical Observations | : Satisfactory | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|---------------------------|---------------------------------|-----------|---------|----------------|
| E. coli | APHA AWWA 23rd Ed.2017, 9222B&H | CFU/100ml | Absent | Absent |
| Fecal Coliforms | APHA AWWA 23rd Ed. 2017, 9222D | CFU/100ml | Absent | Absent |
| Heterotrophic Plate Count | APHA AWWA 23rd Ed. 2017, 9215B | CFU/ml | 4 | 10 (max.) |
| Pseudomonas aeruginosa | APHA AWWA 23rd Ed. 2017, 9213 E | CFU/100ml | Absent | Absent |
| Total Coliforms | APHA AWWA 23rd Ed. 2017, 9222B | CFU/100ml | Absent | Absent |

Remarks : None, Report No, AISL-RP-20-3144 is superseded by Report No. AISL-RP-20-3144-Rev-1.
Test Method Deviation : None
Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00058
Report Number : AISL-RP-20-3140-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|--------------------------------------|-------------------------------------------------|
| Customer | Name | : Crystalline Cleaning & Environmental Services |
| | Address and Location | : Abu Dhabi, UAE |
| Project No | | : Not specified |
| Project Name | | : Not specified |
| Project Location | | : Rihan Heights |
| Project Consultant | | : Not specified |
| Sample Description | | : Water |
| Sampling Method | : APHA 9060 A, BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 17/10/2020 | Test Conducted By : SMK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 17, Water Tank # 02 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 23.5 |
| Physical Observations | : Satisfactory | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|---------------------------|---------------------------------|-----------|---------|----------------|
| E. coli | APHA AWWA 23rd Ed.2017, 9222B&H | CFU/100ml | Absent | Absent |
| Fecal Coliforms | APHA AWWA 23rd Ed. 2017, 9222D | CFU/100ml | Absent | Absent |
| Heterotrophic Plate Count | APHA AWWA 23rd Ed. 2017, 9215B | CFU/ml | 6 | 10 (max.) |
| Pseudomonas aeruginosa | APHA AWWA 23rd Ed. 2017, 9213 E | CFU/100ml | Absent | Absent |
| Total Coliforms | APHA AWWA 23rd Ed. 2017, 9222B | CFU/100ml | Absent | Absent |

Remarks : None, Report No, AISL-RP-20-3140 is superseded by Report No. AISL-RP-20-3140-Rev-1
Test Method Deviation : None
Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00058
Report Number : AISL-RP-20-3141-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|------------------------------------------------------|---------------------------------------------|
| Customer | Name : Crystalline Cleaning & Environmental Services | Address and Location : Abu Dhabi, UAE |
| Project No | : Not specified | |
| Project Name | : Not specified | |
| Project Location | : Rihan Heights | |
| Project Consultant | : Not specified | |
| Sample Description | : Water | |
| Sampling Method | : APHA 9060 A, BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 24/10/2020 | Test Conducted By : CPK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 17, Water Tank # 02 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 23.5 |
| Physical Observations | : Satisfactory | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|----------------------------------------|------------------|-------|---------|----------------|
| Legionella | ISO 11731 - 2017 | CFU/l | | Zero |
| Legionella Spp | | | Absent | |
| Legionella pneumophila Sero group-1 | | | Absent | |
| Legionella pneumophila Sero group-2-15 | | | Absent | |

Remarks : None, Matrix A, Procedures 5 & 7: Medium C, GVPC.
Report No. AISL-RP-20-3141 is superseded by Report No. AISL-RP-20-3141-Rev-1.

Test Method Deviation : None

Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00059
Report Number : AISL-RP-20-3138-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|--------------------------------------|-------------------------------------------------|
| Customer | Name | : Crystalline Cleaning & Environmental Services |
| | Address and Location | : Abu Dhabi, UAE |
| Project No | | : Not specified |
| Project Name | | : Not specified |
| Project Location | | : Rihan Heights |
| Project Consultant | | : Not specified |
| Sample Description | | : Water |
| Sampling Method | : APHA 9060 A,BS7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 17/10/2020 | Test Conducted By : SMK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 17, Water Tank # 03 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 23.5 |
| Physical Observations | | : Satisfactory |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|---------------------------|---------------------------------|-----------|---------|----------------|
| E. coli | APHA AWWA 23rd Ed.2017, 9222B&H | CFU/100ml | Absent | Absent |
| Fecal Coliforms | APHA AWWA 23rd Ed. 2017, 9222D | CFU/100ml | Absent | Absent |
| Heterotrophic Plate Count | APHA AWWA 23rd Ed. 2017, 9215B | CFU/ml | 3 | 10 (max.) |
| Pseudomonas aeruginosa | APHA AWWA 23rd Ed. 2017, 9213 E | CFU/100ml | Absent | Absent |
| Total Coliforms | APHA AWWA 23rd Ed. 2017, 9222B | CFU/100ml | Absent | Absent |

Remarks : None, Report No, AISL-RP-20-3138 is superseded by Report No. AISL-RP-20-3138-Rev-1.
Test Method Deviation : None
Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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Section Head - Microbiology

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TEST REPORT

Sample Number : SN-S-019/2010-00059
Report Number : AISL-RP-20-3139-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|--------------------------------------|-------------------------------------------------|
| Customer | Name | : Crystalline Cleaning & Environmental Services |
| | Address and Location | : Abu Dhabi, UAE |
| Project No | : Not specified | |
| Project Name | : Not specified | |
| Project Location | : Rihan Heights | |
| Project Consultant | : Not specified | |
| Sample Description | : Water | |
| Sampling Method | : APHA 9060 A,BS7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 24/10/2020 | Test Conducted By : CPK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 17, Water Tank # 03 | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 23.5 |
| Physical Observations | : Satisfactory | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|----------------------------------------|------------------|-------|---------|----------------|
| Legionella | ISO 11731 - 2017 | CFU/l | | Zero |
| Legionella Spp | | | Absent | |
| Legionella pneumophila Sero group-1 | | | Absent | |
| Legionella pneumophila Sero group-2-15 | | | Absent | |

Remarks : None, Matrix A, Procedures 5 & 7: Medium C, GVPC.
Report No, AISL-RP-20-3139 is superseded by Report No. AISL-RP-20-3139-Rev-1.

Test Method Deviation : None

Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00055
Report Number : AISL-RP-20-3146-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|---------------------------------|-------------------------------------------------|
| Customer | Name | : Crystalline Cleaning & Environmental Services |
| | Address and Location | : Abu Dhabi, UAE |
| Project No | | : Not specified |
| Project Name | | : Not specified |
| Project Location | | : Rihan Heights |
| Project Consultant | | : Not specified |
| Sample Description | | : Water |
| Sampling Method | : APHA 9060 A,BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 17/10/2020 | Test Conducted By : SMK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 01, Waste Room | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 22.3 |
| Physical Observations | | : Satisfactory |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|---------------------------|---------------------------------|-----------|---------|----------------|
| E. coli | APHA AWWA 23rd Ed.2017, 9222B&H | CFU/100ml | Absent | Absent |
| Fecal Coliforms | APHA AWWA 23rd Ed. 2017, 9222D | CFU/100ml | Absent | Absent |
| Heterotrophic Plate Count | APHA AWWA 23rd Ed. 2017, 9215B | CFU/ml | 6 | 10 (max.) |
| Pseudomonas aeruginosa | APHA AWWA 23rd Ed. 2017, 9213 E | CFU/100ml | Absent | Absent |
| Total Coliforms | APHA AWWA 23rd Ed. 2017, 9222B | CFU/100ml | Absent | Absent |

Remarks : None,Report No,AISL-RP-20-3146 is superseded by Report No.AISL-RP-20-3146-Rev-1.
Test Method Deviation : None
Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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TEST REPORT

Sample Number : SN-S-019/2010-00055
Report Number : AISL-RP-20-3147-Rev-1
Report Date : 02/11/2020



| | | |
|-------------------------|---------------------------------|-------------------------------------------------|
| Customer | Name | : Crystalline Cleaning & Environmental Services |
| | Address and Location | : Abu Dhabi, UAE |
| Project No | : Not specified | |
| Project Name | : Not specified | |
| Project Location | : Rihan Heights | |
| Project Consultant | : Not specified | |
| Sample Description | : Water | |
| Sampling Method | : APHA 9060 A,BS 7592 | Sampled By : AISL Rep |
| Sample Delivered By | : AISL Rep | Client Ref.No : Not specified |
| Date of Analysis | : 14/10/2020 ~ 24/10/2020 | Test Conducted By : CPK |
| Brand | : Not specified | Sampling Date/Time : 14/10/2020 - 10:04 am |
| Origin | : Tower C, Level 01, Waste Room | Receiving Date/Time : 14/10/2020 - 01:45 pm |
| Net wt./volume per unit | : 1L + 500ML | Production Date : Not specified |
| No. of Unit | : 01 | Expiry Date : Not specified |
| Packaging Type | : Sterile Bottle | Condition of Sample °C : 22.3 |
| Physical Observations | : Satisfactory | |

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

| PARAMETERS | TEST METHODS | UNITS | RESULTS | SPECIFICATIONS |
|----------------------------------------|------------------|-------|---------|----------------|
| Legionella | ISO 11731 - 2017 | CFU/l | | Zero |
| Legionella Spp | | | Absent | |
| Legionella pneumophila Sero group-1 | | | Absent | |
| Legionella pneumophila Sero group-2-15 | | | Absent | |

Remarks : None, Matrix A, Procedures 5 & 7: Medium C, GVPC.
Report No, AISL-RP-20-3147 is superseded by Report No. AISL-RP-20-3147-Rev-1.

Test Method Deviation : None

Reference Specification : Regulation & Supervision Bureau, The water quality regulation Fourth Edition, January 2014.

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CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | | | |
|-------------------------------------------|---------------|--------------|----------------------------|
| Client Name: SERCO, MIDDLE EAST, ABUDHABI | | | |
| Site Name: | RIHAN HEIGHTS | Visit Date: | 14-10-2020 |
| Source of Sample | WATER TANK | Sample Point | TOWER C LEVEL-P3 PUMP ROOM |

PORTABLE WATER ANALYSIS

| | Parameter | Control Limits | WATER TANK#01 |
|--------------------------------------|-----------------------------------------------|-----------------|---------------|
| 1 | pH at 25°C | 7.0 - 9.2 | 8.05 |
| 2 | Conductivity at 25°C, $\mu\text{S}/\text{cm}$ | ---- | 217 |
| 3 | Total Dissolved Solids (TDS) | Max 1000 | 141 |
| 4 | Odor | Unobjectionable | ND |
| 5 | Turbidity (including suspended solids) | 4.0 | <1.0 |
| 6 | Calcium Hardness at 25°C | 200 | 66 |
| 7 | Total Hardness at 25°C | 300 | 75 |
| Inorganic Chemical Parameters | | | |
| 1 | Sulphate | Max 250.0 | <10 |
| 2 | Chlorides | Max 250.0 | 58 |
| 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 |

COMMENTS AND RECOMMENDATIONS

| | |
|---|--------------------------------------------------------------|
| 1 | PH, Conductivity & TDS levels are normal. |
| 2 | Calcium hardness and Total Hardness levels are satisfactory. |
| 3 | All inorganic parameters are within the control limit. |

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | | | |
|-------------------------------------------|---------------|--------------|------------------|
| Client Name: SERCO, MIDDLE EAST, ABUDHABI | | | |
| Site Name: | RIHAN HEIGHTS | Visit Date: | 14-10-2020 |
| Source of Sample | WATER TANK | Sample Point | TOWER C LEVEL-17 |

PORTABLE WATER ANALYSIS

| | Parameter | Control Limits | WATER TANK#01 |
|--------------------------------------|-----------------------------------------------|-----------------|---------------|
| 1 | pH at 25°C | 7.0 - 9.2 | 8.19 |
| 2 | Conductivity at 25°C, $\mu\text{s}/\text{cm}$ | ---- | 237 |
| 3 | Total Dissolved Solids (TDS) | Max 1000 | 154 |
| 4 | Odor | Unobjectionable | ND |
| 5 | Turbidity (including suspended solids) | 4.0 | <1.0 |
| 6 | Calcium Hardness at 25°C | 200 | 69 |
| 7 | Total Hardness at 25°C | 300 | 77 |
| Inorganic Chemical Parameters | | | |
| 1 | Sulphate | Max 250.0 | <10 |
| 2 | Chlorides | Max 250.0 | 64 |
| 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 |

COMMENTS AND RECOMMENDATIONS

| | |
|---|--------------------------------------------------------------|
| 1 | PH, Conductivity & TDS levels are normal. |
| 2 | Calcium hardness and Total Hardness levels are satisfactory. |
| 3 | All inorganic parameters are within the control limit. |

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | | | |
|-------------------------------------------|---------------|--------------|------------------|
| Client Name: SERCO, MIDDLE EAST, ABUDHABI | | | |
| Site Name: | RIHAN HEIGHTS | Visit Date: | 14-10-2020 |
| Source of Sample | WATER TANK | Sample Point | TOWER C LEVEL-17 |

PORTABLE WATER ANALYSIS

| | Parameter | Control Limits | WATER TANK#02 |
|--------------------------------------|----------------------------------------|-----------------|---------------|
| 1 | pH at 25°C | 7.0 - 9.2 | 8.24 |
| 2 | Conductivity at 25°C, µs/cm | ---- | 235 |
| 3 | Total Dissolved Solids (TDS) | Max 1000 | 152 |
| 4 | Odor | Unobjectionable | ND |
| 5 | Turbidity (including suspended solids) | 4.0 | <1.0 |
| 6 | Calcium Hardness at 25°C | 200 | 71 |
| 7 | Total Hardness at 25°C | 300 | 80 |
| Inorganic Chemical Parameters | | | |
| 1 | Sulphate | Max 250.0 | <10 |
| 2 | Chlorides | Max 250.0 | 67 |
| 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 |

COMMENTS AND RECOMMENDATIONS

| | |
|---|--------------------------------------------------------------|
| 1 | PH, Conductivity & TDS levels are normal. |
| 2 | Calcium hardness and Total Hardness levels are satisfactory. |
| 3 | All inorganic parameters are within the control limit. |

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | | | |
|-------------------------------------------|---------------|--------------|------------------|
| Client Name: SERCO, MIDDLE EAST, ABUDHABI | | | |
| Site Name: | RIHAN HEIGHTS | Visit Date: | 14-10-2020 |
| Source of Sample | WATER TANK | Sample Point | TOWER C LEVEL-17 |

PORTABLE WATER ANALYSIS

| | Parameter | Control Limits | WATER TANK#03 |
|--------------------------------------|-----------------------------------------------|-----------------|---------------|
| 1 | pH at 25°C | 7.0 - 9.2 | 8.34 |
| 2 | Conductivity at 25°C, $\mu\text{S}/\text{cm}$ | ---- | 224 |
| 3 | Total Dissolved Solids (TDS) | Max 1000 | 145 |
| 4 | Odor | Unobjectionable | ND |
| 5 | Turbidity (including suspended solids) | 4.0 | <1.0 |
| 6 | Calcium Hardness at 25°C | 200 | 62 |
| 7 | Total Hardness at 25°C | 300 | 69 |
| Inorganic Chemical Parameters | | | |
| 1 | Sulphate | Max 250.0 | <10 |
| 2 | Chlorides | Max 250.0 | 58 |
| 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 |

COMMENTS AND RECOMMENDATIONS

| | |
|---|--------------------------------------------------------------|
| 1 | PH, Conductivity & TDS levels are normal. |
| 2 | Calcium hardness and Total Hardness levels are satisfactory. |
| 3 | All inorganic parameters are within the control limit. |

Reported By


Murugaraa
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

| | | | |
|-------------------------------------------|---------------|--------------|------------------|
| Client Name: SERCO, MIDDLE EAST, ABUDHABI | | | |
| Site Name: | RIHAN HEIGHTS | Visit Date: | 14-10-2020 |
| Source of Sample | WATER TAP | Sample Point | TOWER C LEVEL-01 |

PORTABLE WATER ANALYSIS

| | Parameter | Control Limits | WASTE ROOM |
|--------------------------------------|----------------------------------------|-----------------|------------|
| 1 | pH at 25°C | 7.0 - 9.2 | 8.01 |
| 2 | Conductivity at 25°C, µs/cm | ---- | 210 |
| 3 | Total Dissolved Solids (TDS) | Max 1000 | 136 |
| 4 | Odor | Unobjectionable | ND |
| 5 | Turbidity (including suspended solids) | 4.0 | <1.0 |
| 6 | Calcium Hardness at 25°C | 200 | 78 |
| 7 | Total Hardness at 25°C | 300 | 86 |
| Inorganic Chemical Parameters | | | |
| 1 | Sulphate | Max 250.0 | <10 |
| 2 | Chlorides | Max 250.0 | 70 |
| 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 |

COMMENTS AND RECOMMENDATIONS

| | |
|---|--------------------------------------------------------------|
| 1 | PH, Conductivity & TDS levels are normal. |
| 2 | Calcium hardness and Total Hardness levels are satisfactory. |
| 3 | All inorganic parameters are within the control limit. |

Reported By



Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW