

เอกสารแนบ 4

เอกสารผลการตรวจวัดคุณภาพสิ่งแวดล้อม



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/01/2024 Analytical Date : 26/01-06/02/2024
Sample Type : Waste water Report Date : 07/02/2024
Customer Code : JP 023-1-01

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | | Regulatory Standard |
|---------------------------------------|--------------------------|--------------------------------|--------------------|------------------|--------------------|--------------------|------------------------|
| | | | | St.1 | St.2 | St.3 | |
| pH | - | Electrometric Method | - | 6.7 | 6.8 | 6.7 | 5-9 |
| BOD | mg/L | 5 Day BOD Membrane Electrode | <2.0 | 132 | 2.1 | <2.0 | 20 |
| Total Suspended Solids | mg/L | Dried at 103-105 °C | <2.5 | 223 | 6.1 | 11 | 30 |
| Total Dissolved Solids | mg/L | Dried at 103-105 °C | <2.5 | 558 | 472 | 112 | 500* |
| Settleable Solids | ml/L | Volumetric Method | <0.1 | <0.1 | <0.1 | <0.1 | 0.5 |
| Sulfide | mg/L as H ₂ S | Iodometric Method | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| TKN ²⁾ | mg/L as N | Macro-Kjeldahl Method | <1.5 | 53 | 6.9 | 8.9 | 35 |
| Oil & Grease | mg/L | Partition - gravimetric method | <2.0 | 15 | <2.0 | 2.7 | 20 |
| Residue Chlorine | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.8 | >160,000 | <1.8 | <1.8 | - |
| Analysis No. | | | | WW 0115 | WW 0116 | WW 0117 | |
| Sampling Time | | | | 14:29 | 14:21 | 12:41 | |
| Sample Condition | | | | Grey Sediment | Yellow Sediment | Yellow Sediment | |

Regulatory Standard: Announcement of the Ministry of Science Technology and Environment Subject: Establishing Control Standards Drainage from certain types and sizes of buildings

: ²⁾ Subcontract: UAE

: Total Dissolved Solids for Waste water (St.3) 506 mg/L

: Total Dissolved Solids for Tap water 394 mg/L

St.1 = Equalization Tank

St.2 = Clear Water Tank

St.3 = Discharged to the public



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 22/02/2024 Analytical Date : 23/02-02/03/2024
Sample Type : Waste water Report Date : 02/03/2024
Customer Code : JP 023-2-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | | Regulatory Standard |
|---------------------------------------|--------------------------|--------------------------------|--------------------|------------------|--------------------|--------------------|------------------------|
| | | | | St.1 | St.2 | St.3 | |
| pH | - | Electrometric Method | - | 6.8 | 6.6 | 6.7 | 5-9 |
| BOD | mg/L | 5 Day BOD Membrane Electrode | <2.0 | 144 | 4.6 | <2.0 | 20 |
| Total Suspended Solids | mg/L | Dried at 103-105 °C | <2.5 | 116 | 8.9 | 16 | 30 |
| Total Dissolved Solids | mg/L | Dried at 103-105 °C | <2.5 | 426 | 478 | 188 | 500* |
| Settleable Solids | ml/L | Volumetric Method | <0.1 | <0.1 | <0.1 | <0.1 | 0.5 |
| Sulfide | mg/L as H ₂ S | Iodometric Method | <1.0 | 1.1 | <1.0 | <1.0 | 1.0 |
| TKN ²⁾ | mg/L as N | Kjeldahl Method | <1.5 | 56 | 7.2 | 6.9 | 35 |
| Oil & Grease | mg/L | Partition - gravimetric method | <2.0 | 12 | <2.0 | <2.0 | 20 |
| Residue Chlorine | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.8 | >160,000 | <1.8 | <1.8 | - |
| Analysis No. | | | | WW 0371 | WW 0372 | WW 0373 | |
| Sampling Time | | | | 15:22 | 15:36 | 15:40 | |
| Sample Condition | | | | Grey Sediment | Yellow Sediment | Yellow Sediment | |

Regulatory Standard: Announcement of the Ministry of Science Technology and Environment Subject: Establishing Control Standards Drainage from certain types and sizes of buildings

: ²⁾ Subcontract: UAE

: Total Dissolved Solids for Tap water 294 mg/L

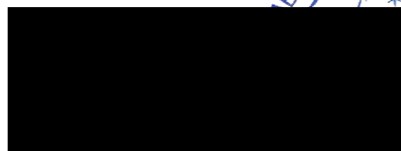
St.1 = Equalization Tank

St.2 = Clear Water Tank

St.3 = Discharged to the public



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/03/2024 Analytical Date : 25/03-05/04/2024
Sample Type : Waste water Report Date : 05/04/2024
Customer Code : JP 023-3-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | | Regulatory Standard |
|---------------------------------------|--------------------------|--------------------------------|--------------------|------------------|--------------------|--------------------|------------------------|
| | | | | St.1 | St.2 | St.3 | |
| pH | - | Electrometric Method | - | 6.8 | 6.6 | 6.7 | 5-9 |
| BOD | mg/L | 5 Day BOD Membrane Electrode | <2.0 | 98 | 2.9 | <2.0 | 20 |
| Total Suspended Solids | mg/L | Dried at 103-105 °C | <2.5 | 180 | 12 | 11 | 30 |
| Total Dissolved Solids | mg/L | Dried at 103-105 °C | <2.5 | 412 | 406 | 128 | 500* |
| Settleable Solids | ml/L | Volumetric Method | <0.1 | <0.1 | <0.1 | <0.1 | 0.5 |
| Sulfide | mg/L as H ₂ S | Iodometric Method | <1.0 | 1.0 | <1.0 | <1.0 | 1.0 |
| TKN ²⁾ | mg/L as N | Kjeldahl Method | <1.5 | 40 | 6.0 | 6.0 | 35 |
| Oil & Grease | mg/L | Partition - gravimetric method | <2.0 | 11 | <2.0 | <2.0 | 20 |
| Residue Chlorine | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.8 | >160,000 | <1.8 | <1.8 | - |
| Analysis No. | | | | WW 0608 | WW 0609 | WW 0610 | |
| Sampling Time | | | | 14:12 | 14:24 | 14:45 | |
| Sample Condition | | | | Grey Sediment | Yellow Sediment | Yellow Sediment | |

Regulatory Standard: Announcement of the Ministry of Science Technology and Environment Subject: Establishing Control Standards Drainage from certain types and sizes of buildings

: ²⁾ Subcontract: UAE

: Total Dissolved Solids for Tap water 224 mg/L

St.1 = Equalization Tank

St.2 = Clear Water Tank

St.3 = Discharged to the public



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/04/2024 Analytical Date : 26/04-10/05/2024
Sample Type : Waste water Report Date : 10/05/2024
Customer Code : JP 023-4-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | | Regulatory Standard |
|---------------------------------------|--------------------------|--------------------------------|--------------------|------------------|--------------------|--------------------|------------------------|
| | | | | St.1 | St.2 | St.3 | |
| pH | - | Electrometric Method | - | 7.1 | 6.8 | 6.9 | 5-9 |
| BOD | mg/L | 5 Day BOD Membrane Electrode | <2.0 | 132 | 3.7 | <2.0 | 20 |
| Total Suspended Solids | mg/L | Dried at 103-105 °C | <2.5 | 112 | 8.4 | 16 | 30 |
| Total Dissolved Solids | mg/L | Dried at 103-105 °C | <2.5 | 450 | 422 | 128 | 500* |
| Settleable Solids | ml/L | Volumetric Method | <0.1 | <0.1 | <0.1 | <0.1 | 0.5 |
| Sulfide | mg/L as H ₂ S | Iodometric Method | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| TKN ²⁾ | mg/L as N | Macro-Kjeldahl Method | <1.5 | 59 | 10 | 7.6 | 35 |
| Oil & Grease | mg/L | Partition - gravimetric method | <2.0 | 9.9 | <2.0 | 2.7 | 20 |
| Residue Chlorine | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.8 | >160,000 | <1.8 | <1.8 | - |
| Analysis No. | | | | WW 0841 | WW 0842 | WW 0843 | |
| Sampling Time | | | | 14:20 | 14:24 | 12:39 | |
| Sample Condition | | | | Grey Sediment | Yellow Sediment | Yellow Sediment | |

Regulatory Standard: Announcement of the Ministry of Science Technology and Environment Subject: Establishing Control Standards Drainage from certain types and sizes of buildings

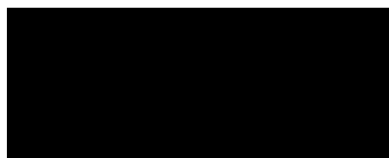
: ²⁾ Subcontract: UAE

: Total Dissolved Solids for Tap water 296 mg/L

St.1 = Equalization Tank

St.2 = Clear Water Tank

St.3 = Discharged to the public



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 24/05/2024 Analytical Date : 27/05-10/06/2024
Sample Type : Waste water Report Date : 10/06/2024
Customer Code : JP 023-5-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | | Regulatory Standard |
|---------------------------------------|--------------------------|--------------------------------|--------------------|------------------|--------------------|--------------------|------------------------|
| | | | | St.1 | St.2 | St.3 | |
| pH | - | Electrometric Method | - | 7.0 | 6.6 | 6.9 | 5-9 |
| BOD | mg/L | 5 Day BOD Membrane Electrode | <2.0 | 96 | 7.7 | <2.0 | 20 |
| Total Suspended Solids | mg/L | Dried at 103-105 °C | <2.5 | 202 | 14 | 19 | 30 |
| Total Dissolved Solids | mg/L | Dried at 103-105 °C | <2.5 | 442 | 436 | 146 | 500* |
| Settleable Solids | ml/L | Volumetric Method | <0.1 | <0.1 | <0.1 | <0.1 | 0.5 |
| Sulfide | mg/L as H ₂ S | Iodometric Method | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| TKN ²⁾ | mg/L as N | Macro-Kjeldahl Method | <1.5 | 44 | 16 | 6.8 | 35 |
| Oil & Grease | mg/L | Partition - gravimetric method | <2.0 | 6.8 | <2.0 | <2.0 | 20 |
| Residue Chlorine | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.8 | >160,000 | <1.8 | <1.8 | - |
| Analysis No. | | | | WW 1089 | WW 1090 | WW 1091 | |
| Sampling Time | | | | 15:11 | 15:14 | 15:06 | |
| Sample Condition | | | | Grey Sediment | Yellow Sediment | Yellow Sediment | |

Regulatory Standard: Announcement of the Ministry of Science Technology and Environment Subject: Establishing Control Standards Drainage from certain types and sizes of buildings

: ²⁾ Subcontract: UAE

: Total Dissolved Solids for Tap water 286 mg/L

St.1 = Equalization Tank

St.2 = Clear Water Tank

St.3 = Discharged to the public



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 28/06/2024 Analytical Date : 28/06-12/07/2024
Sample Type : Waste water Report Date : 12/07/2024
Customer Code : JP 023-6-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | | Regulatory Standard |
|---------------------------------------|--------------------------|--------------------------------|--------------------|------------------|--------------------|--------------------|------------------------|
| | | | | St.1 | St.2 | St.3 | |
| pH | - | Electrometric Method | - | 6.8 | 6.7 | 6.9 | 5-9 |
| BOD | mg/L | 5 Day BOD Membrane Electrode | <2.0 | 77 | 11 | <2.0 | 20 |
| Total Suspended Solids | mg/L | Dried at 103-105 °C | <2.5 | 196 | 16 | 22 | 30 |
| Total Dissolved Solids | mg/L | Dried at 103-105 °C | <2.5 | 422 | 448 | 186 | 500* |
| Settleable Solids | ml/L | Volumetric Method | <0.1 | <0.1 | <0.1 | <0.1 | 0.5 |
| Sulfide | mg/L as H ₂ S | Iodometric Method | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| TKN ²⁾ | mg/L as N | Macro-Kjeldahl Method | <1.5 | 36 | 19 | 11 | 35 |
| Oil & Grease | mg/L | Partition - gravimetric method | <2.0 | 4.4 | <2.0 | <2.0 | 20 |
| Residue Chlorine | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.8 | >160,000 | <1.8 | <1.8 | - |
| Analysis No. | | | | WW 1445 | WW 1446 | WW 1447 | |
| Sampling Time | | | | 14:12 | 14:22 | 14:36 | |
| Sample Condition | | | | Grey Sediment | Yellow Sediment | Yellow Sediment | |

Regulatory Standard: Announcement of the Ministry of Science Technology and Environment Subject: Establishing Control Standards Drainage from certain types and sizes of buildings

: ²⁾ Subcontract: UAE

: Total Dissolved Solids for Tap water 216 mg/L

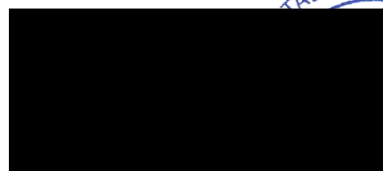
St.1 = Equalization Tank

St.2 = Clear Water Tank

St.3 = Discharged to the public



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/01/2024 Analytical Date : 26/01-06/02/2024
Sample Type : Swimming Pool Report Date : 07/02/2024
Customer Code : JP-023-1-01

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---|--------------------------------------|--------------------------------|-----------------|---------------|---------------------|
| | | | | Swimming Pool | |
| pH | - | Electrometric Method | - | 7.9 | 7.2-8.4 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD FERROUS TITRIMETRIC METHOD | <0.01 | 0.8 | 0.6-1.0 |
| Chloride ²⁾ | mg/L as Cl ⁻ | Argentometric Method | <2.0 | 168 | 600 |
| Alkalinity ²⁾ | mg/L as CaCO ₃ | Titration Method | - | 89 | 80-100 |
| Calcium Hardness ²⁾ | mg/L as CaCO ₃ | EDTA Titrimetric Method | <4.0 | 81 | 250-600 |
| Cyanuric acid ²⁾ | mg/L | TURBIDIMETRIC METHOD | <1 | <1 | 30-60 |
| Ammonia ²⁾ | mg/L as NH ₃ | PHENATE METHOD | <0.05 | 0.15 | 20 |
| Nitrate ²⁾ | mg/L as NO ₃ ⁻ | CADMIUM REDUCTION METHOD | <0.09 | 1.7 | 50 |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | 10 |
| <i>Staphylococcus aureus</i> ²⁾ | /100ml | Membrane Filtration Method | Not Detected | Not Detected | Not Detected |
| <i>Pseudomonas aeruginosa</i> ²⁾ | /100ml | Membrane Filtration Method | Not Detected | Not Detected | Not Detected |
| Analysis No. | | | | WW 0118 | |
| Sampling Time | | | | 14:04 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Ministry of Health (Thailand), Swimming pool business control or other similar businesses, 2007

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/01/2024 Analytical Date : 26/01-06/02/2024
Sample Type : Swimming Pool Report Date : 07/02/2024
Customer Code : JP-023-1-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-------------------------|--------------------------------|-----------------|---------------|---------------------|
| | | | | Swimming Pool | |
| pH | - | Electrometric Method | - | 7.9 | 7.2-8.4 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD FERROUS TITRIMETRIC METHOD | <0.01 | 0.8 | 0.6-1.0 |
| Total Bacteria ²⁾ | CFU/100ml | STANDARD PLATE COUNT | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | 10 |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0107 | |
| Sampling Time | | | | 14:04 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Ministry of Health (Thailand), Swimming pool business control or other similar businesses, 2007

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK
10250 Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

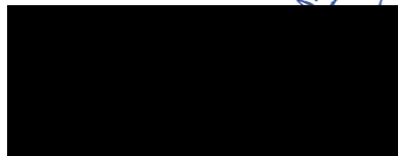
Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/01/2024 Analytical Date : 31/01-07/02/2024
Sample Type : Drinking Water (Ice) Report Date : 09/02/2024
Customer Code : JP-023-1-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|---------------------------------------|-----------|-----------------------|-----------------|-----------------------------------|-----------------------------|---------------------|
| | | | | Club Kitchen (IC-F31-01 Floor 31) | ห้องอาหาร Canteen (Bon Bon) | |
| Standard plate count ²⁾ | CFU/ml | Pour Plate Method | <1.1 | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | 1.1 | <1.1 | Not detected |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0119 | WW 0120 | |
| Sampling Time | | | | 13:58 | 13:32 | |
| Sample Condition | | | | Clear | Clear | |

Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013
: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK

10250

Tel: 0-2716-3506-7

Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/01/2024 Analytical Date : 31/01-07/02/2024
Sample Type : Drinking Water (Ice) Report Date : 09/02/2024
Customer Code : JP-023-1-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|---------------------------------------|-----------|-----------------------|-----------------|------------------------------------|---------------------------------------|---------------------|
| | | | | Room Service (IC-F3-01 Floor 2) | Banquet Kitchen (IC-F7-01 Floor 7) | |
| Standard plate count ²⁾ | CFU/ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | Not detected |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0121 | WW 0122 | |
| Sampling Time | | | | 13:44 | 13:37 | |
| Sample Condition | | | | Clear | Clear | |

Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK

10250

Tel: 0-2716-3506-7

Fax: 0-2716-3507

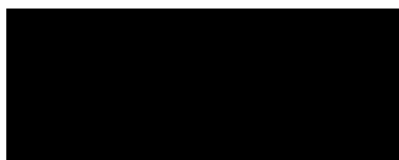
ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/01/2024 Analytical Date : 31/01-07/02/2024
Sample Type : Drinking Water (Ice) Report Date : 09/02/2024
Customer Code : JP-023-1-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-----------|-----------------------|-----------------|--------------------|---------------------|
| | | | | Le Macaron Floor G | |
| Standard plate count ²⁾ | CFU/ml | MPN Method | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | Not detected |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0123 | |
| Sampling Time | | | | 13:50 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 22/02/2024 Analytical Date : 23/02-15/03/2024
Sample Type : Tap Water Report Date : 19/03/2024
Customer Code : JP 023-2-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|--------------------------------------|--------|-------------------------------|--------------------|-----------------------------|------------------------|
| | | | | Shower Water (Room 1018) | |
| <i>Legionella spp.</i> ²⁾ | CFU/L | Membrane Filtration Technique | Not detected | Not detected | Not detected |
| <i>E. Coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0377 | |
| Sampling Time | | | | 14:54 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Criteria to determine the quality of tap water Metropolitan Waterworks Authority, 2017

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE(S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK

10250

Tel: 0-2716-3506-7

Fax: 0-2716-3507

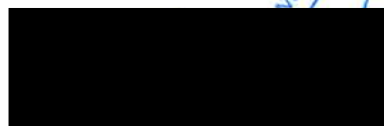
ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 22/02/2024 Analytical Date : 23/02-04/03/2024
Sample Type : Drinking Water Report Date : 04/03/2024
Customer Code : JP-023-2-00

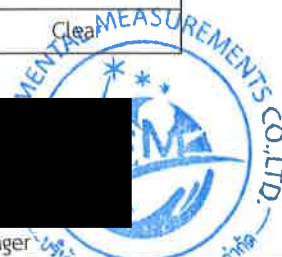
| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|--------------------------------|---------------------------------------|-------------------------|-----------------|--------------|--------------|---------------------|
| | | | | ICE IC F6 01 | Canteen | |
| Colour, Odour | - | Sensory Test | - | Not detected | Not detected | Not detected |
| Turbidity | NTU | Nephelometric | <0.01 | 0.21 | 0.44 | 5 |
| pH | - | Electrometric | - | 7.4 | 7.2 | 6.5-9 |
| Total Solids | mg/L | Dried at 103-105 °C | <2.5 | 224 | 272 | - |
| Chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric | <2.0 | 34 | 46 | 250 |
| Total Hardness | mg/L as CaCo ₃ | EDTA Titrimetric | <1.0 | 101 | 120 | 500 |
| Nitrate-Nitrogen ²⁾ | mg/L as NO ₃ -N | Cadmium Reduction | <0.02 | 0.13 | 0.06 | 50 |
| Sulfate ²⁾ | mg/L as SO ₄ ²⁻ | Turbidimetric | <0.3 | 44 | 60 | 1000 |
| Arsenic (As) ²⁾ | mg/L | Hydride Generation, AAS | <0.0003 | <0.0003 | <0.0003 | 0.01 |
| Barium (Ba) ²⁾ | mg/L | Direct Aspiration, AAS | <0.003 | 0.053 | 0.060 | 1.7 |
| Cadmium (Cd) ²⁾ | mg/L | In-house method:TE-03 | <0.0001 | <0.0001 | <0.0001 | 0.03 |
| Chromium (Cr) ²⁾ | mg/L | Direct Aspiration, AAS | <0.001 | <0.001 | <0.001 | 0.05 |
| Copper (Cu) ²⁾ | mg/L | Direct Aspiration, AAS | <0.001 | 0.018 | 0.003 | 1 |
| Iron (Fe) ²⁾ | mg/L | Phenanthroline Method | <0.002 | <0.002 | <0.002 | 0.3 |
| Lead (Pb) ²⁾ | mg/L | Direct Aspiration, AAS | <0.002 | <0.002 | <0.002 | 0.01 |
| Manganese (Mn) ²⁾ | mg/L | Persulfate | <0.001 | <0.001 | 0.053 | 0.1 |
| Mercury (Hg) ²⁾ | mg/L | Cold Vapor, AAS | <0.0001 | <0.0001 | <0.0001 | 0.001 |
| Selenium (Se) ²⁾ | mg/L | Hydride Generation | <0.0005 | <0.0005 | <0.0005 | 0.01 |
| Silver (Ag) ²⁾ | mg/L | Direct Aspiration, AAS | <0.003 | <0.003 | <0.003 | 0.005 |
| Zinc (Zn) ²⁾ | mg/L | Direct Aspiration, AAS | <0.001 | 0.026 | 0.021 | 4 |
| Aluminum (Al) ²⁾ | mg/L | Direct Aspiration, AAS | <0.005 | 0.032 | 0.053 | 0.2 |
| Phenol ²⁾ | mg/L | Direct Photometric | <0.001 | <0.001 | <0.001 | - |
| Cyanide ²⁾ | mg/L as CN ⁻ | Direct Photometric | <0.001 | <0.001 | <0.001 | 0.07 |
| Analysis No. | | | | WW 0375 | WW 0376 | |
| Sampling Time | | | | 14:37 | 14:29 | |
| Sample Condition | | | | Clear | Clear | |



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE(S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK
10250 Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 22/02/2024 Analytical Date : 23/02-04/03/2024
Sample Type : Drinking Water Report Date : 04/03/2024
Customer Code : JP-023-2-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|--|-------------------------|-----------------------|-----------------|--------------|--------------|---------------------|
| | | | | ICE IC F6 01 | Canteen | |
| Residual Chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric | <0.1 | <0.1 | <0.1 | 0.6-1.1 |
| Alkylbenzene Sulphonate ²⁾ | mg/L | Colorimetric Method | <0.035 | <0.035 | <0.035 | - |
| Fluoride ²⁾ | mg/L as F ⁻ | Distillation, SPADNS | <0.02 | 0.37 | 0.38 | 1.5 |
| Total Bacteria ²⁾ | CFU/ml | MPN Method | <1 | <1 | <1 | Not detected |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | Not detected |
| <i>E. coli</i> ²⁾ | MPN/100ml | MPN Method, Detection | <1.1 | <1.1 | <1.1 | Not detected |
| <i>Staphylococcus aureus</i> ²⁾ | /100ml | Membrane Filtration | Not detected | Not detected | Not detected | Not detected |
| <i>Salmonella spp.</i> ²⁾ | /100ml | Membrane Filtration | Not detected | Not detected | Not detected | Not detected |
| <i>Clostridium perfringens</i> ²⁾ | /100ml | Membrane Filtration | Not detected | Not detected | Not detected | Not detected |
| Analysis No. | | | | WW 0375 | WW 0376 | |
| Sampling Time | | | | 14:37 | 14:29 | |
| Sample Condition | | | | Clear | Clear | |

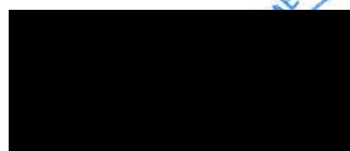
Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013

: ²⁾ Subcontract: Test Tech

: ND = Not detected



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE(S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 22/02/2024 Analytical Date : 23-28/02/2024
Sample Type : Swimming Pool Report Date : 29/02/2024
Customer Code : JP 023-2-00

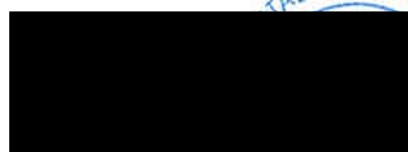
| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-------------------------|-------------------------|-----------------|---------------|---------------------|
| | | | | Swimming Pool | |
| pH | - | Electrometric Method | - | 7.6 | 7.2-8.4 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | 0.8 | 0.6-1.0 |
| Total Bacteria ²⁾ | CFU/100ml | MPN Method | <1 | <1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | 10 |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0374 | |
| Sampling Time | | | | 14:24 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Ministry of Health (Thailand), Swimming pool business control or other similar businesses, 2007

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE(S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK

10250

Tel: 0-2716-3506-7

Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/03/2024 Analytical Date : 26/03-03/04/2024
Sample Type : Drinking Water Report Date : 05/04/2024
Customer Code : JP 023-3-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|--|-----------|-----------------------|-----------------|----------------|-----------------|---------------------|
| | | | | BELGA floor 32 | BANQUET floor 7 | |
| Total Viable Count ²⁾ | CFU/ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | Not detected |
| <i>E. coli</i> ²⁾ | MPN/100ml | MPN Method, Detection | <1.1 | <1.1 | <1.1 | Not detected |
| <i>Staphylococcus aureus</i> ²⁾ | /100ml | Membrane Filtration | Not detected | Not detected | Not detected | - |
| <i>Salmonella spp.</i> ²⁾ | /100ml | Membrane Filtration | Not detected | Not detected | Not detected | - |
| <i>Clostridium perfringens</i> ²⁾ | /100ml | Membrane Filtration | Not detected | Not detected | Not detected | Not detected |
| Analysis No. | | | | WW 0613 | WW 0614 | |
| Sampling Time | | | | 13:12 | 13:47 | |
| Sample Condition | | | | Clear | Clear | |

Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/03/2024 Analytical Date : 26/03-03/04/2024
Sample Type : Swimming Pool Report Date : 05/04/2024
Customer Code : JP 023-3-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-------------------------|-------------------------|-----------------|---------------|---------------------|
| | | | | Swimming Pool | |
| pH | - | Electrometric Method | - | 7.8 | 7.2-8.4 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | 0.7 | 0.6-1.0 |
| Total Bacteria ²⁾ | CFU/100ml | MPN Method | <1 | <1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | 10 |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0611 | |
| Sampling Time | | | | 13:37 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Ministry of Health (Thailand), Swimming pool business control or other similar businesses, 2007

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

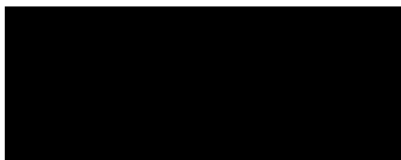
ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/03/2024 Analytical Date : 26/03-03/04/2024
Sample Type : Tap Water Report Date : 05/04/2024
Customer Code : JP 023-3-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-------------------------|-------------------------|--------------------|-------------------------|------------------------|
| | | | | Jacucci (Room No. 2707) | |
| pH | - | Electrometric Method | - | 7.2 | 6.5-8.5 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | <0.10 | 0.2-2.0 |
| Total Bacteria ²⁾ | CFU/100ml | MPN Method | <1.1 | <1.1 | 500 |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | Not detected |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0616 | |
| Sampling Time | | | | 13:32 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Criteria to determine the quality of tap water Metropolitan Waterworks Authority, 2017

: ²⁾ Subcontract: Test Tech



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Biz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250
Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/03/2024 Analytical Date : 26/03-12/04/2024
Sample Type : Tap Water Report Date : 19/04/2024
Customer Code : JP 023-3-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|--------------------------------------|--------|-------------------------------|--------------------|--------------------------------------|------------------------|
| | | | | Spa Water Room IMMORTELLE Floor 9 | |
| <i>Legionella spp.</i> ²⁾ | CFU/L | Membrane Filtration Technique | Not detected | Not detected | Not detected |
| <i>E. Coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0615 | |
| Sampling Time | | | | 13:40 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Criteria to determine the quality of tap water Metropolitan Waterworks Authority, 2017
: ²⁾ Subcontract: Test Tech



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

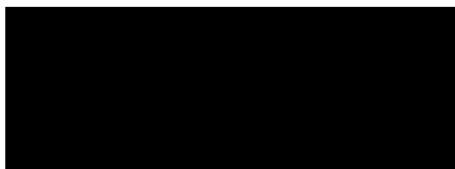
ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/03/2024 Analytical Date : 26/03-12/04/2024
Sample Type : Cooling Water Report Date : 19/04/2024
Customer Code : JP 023-3-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|--------------------------------------|--------|----------------------------|-----------------|---------------|---------------------|
| | | | | Cooling Water | |
| <i>E. Coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.8 | <1.8 | - |
| <i>Legionella spp.</i> ²⁾ | /100ml | Membrane Filtration Method | Not detected | Not detected | Not detected |
| Analysis No. | | | | WW 0612 | |
| Sampling Time | | | | 13:24 | |
| Sample Condition | | | | Clear, Yellow | |

Regulatory Standard : Announcement of the department of health (Thailand), Practice for the control of legionella bacteria in cooling towers, January 2001

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Soi Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK

10250

Tel: 0-2716-3506-7

Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/04/2024 Analytical Date : 29/04-02/05/2024
Sample Type : Drinking Water (Ice) Report Date : 10/05/2024
Customer Code : JP-023-4-00

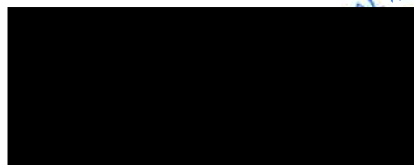
| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|---------------------------------------|-----------|-----------------------|-----------------|------------------------|--------------------|---------------------|
| | | | | Belga Kitchen Floor 32 | Belga bar Floor 32 | |
| Standard plate count ²⁾ | CFU/ml | Pour Plate Method | <1.1 | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | Not detected | Not detected | Not detected |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | Not detected | Not detected | Not detected |
| Analysis No. | | | | WW 0845 | WW 0846 | |
| Sampling Time | | | | 13:33 | 13:39 | |
| Sample Condition | | | | Clear | Clear | |

Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE(S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK

10250 Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

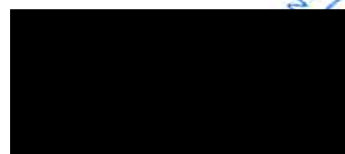
Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/04/2024 Analytical Date : 29/04-02/05/2024
Sample Type : Drinking Water (Ice) Report Date : 10/05/2024
Customer Code : JP-023-4-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | | Regulatory Standard |
|---------------------------------------|-----------|-----------------------|-----------------|-------------------|-------------------|---------------------|
| | | | | Corridor Floor 15 | Corridor Floor 12 | |
| Standard plate count ²⁾ | CFU/ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | <1.1 | - |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | Not detected | Not detected | Not detected |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | Not detected | Not detected | Not detected |
| Analysis No. | | | | WW 0847 | WW 0848 | |
| Sampling Time | | | | 13:48 | 14:09 | |
| Sample Condition | | | | Clear | Clear | |

Regulatory Standard : World Health Organization Recommendation Criteria for Drinking Water Quality, 2013
: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE(S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 25/04/2024 Analytical Date : 26/04-09/05/2024
Sample Type : Swimming Pool Report Date : 10/05/2024
Customer Code : JP 023-4-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-------------------------|-------------------------|--------------------|---------------|------------------------|
| | | | | Swimming Pool | |
| pH | - | Electrometric Method | - | 7.9 | 7.2-8.4 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | 0.7 | 0.6-1.0 |
| Total Bacteria ²⁾ | CFU/100ml | MPN Method | <1 | <1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | 10 |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 0844 | |
| Sampling Time | | | | 14:16 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Ministry of Health (Thailand), Swimming pool business control or other similar businesses, 2007

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 24/05/2024
Sample Type : Tap Water
Analytical Date : 27/05-14/06/2024
Report Date : 18/06/2024
Customer Code : JP 023-5-00

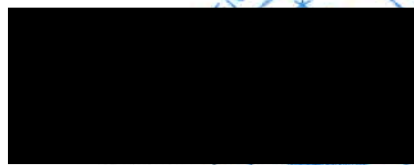
| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-----------|-------------------------------|--------------------|-----------------------------|------------------------|
| | | | | Shower Water (Room 2816) | |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | Not detected |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| <i>Legionella spp.</i> ²⁾ | CFU/L | Membrane Filtration Technique | Not detected | Not detected | Not detected |
| Standard Plate Count. ²⁾ | /100ml | Standard Plate Count | <1 | <1 | Not detected |
| Analysis No. | | | | WW 0377 | |
| Sampling Time | | | | 14:54 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Criteria to determine the quality of tap water Metropolitan Waterworks Authority,2017

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

Tel: 0-2716-3506-7 Fax: 0-2716-3507

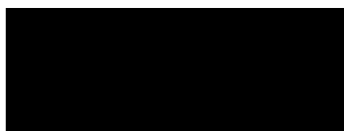
ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 24/05/2024 Analytical Date : 27/05-06/06/2024
Sample Type : Swimming Pool Report Date : 07/06/2024
Customer Code : JP 023-5-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|---------------------------------------|-------------------------|-------------------------|--------------------|---------------|------------------------|
| | | | | Swimming Pool | |
| pH | - | Electrometric Method | - | 7.4 | 7.2-8.4 |
| Free chlorine ²⁾ | mg/L as Cl ₂ | DPD Colorimetric Method | <0.10 | 1.0 | 0.6-1.0 |
| Total Bacteria ²⁾ | CFU/100ml | MPN Method | <1 | <1 | - |
| Total Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | 10 |
| Fecal Coliform Bacteria ²⁾ | MPN/100ml | MPN Method | <1.1 | <1.1 | - |
| <i>E. coli</i> ²⁾ | /100ml | MPN Method, Detection | <1.1 | <1.1 | Not detected |
| Analysis No. | | | | WW 1092 | |
| Sampling Time | | | | 14:32 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Ministry of Health (Thailand), Swimming pool business control or other similar businesses, 2007

: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ENVIRONMENTAL MEASUREMENTS CO., LTD.

5/45 Baan Klang Krung Blz Town, Sol Srinagarindra 46/1 (Pramote), NONG BON Sub-district, PRAWET District, BANGKOK 10250

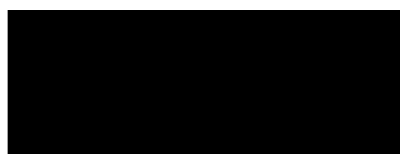
Tel: 0-2716-3506-7 Fax: 0-2716-3507

ANALYSIS REPORT

Customer Name : Sofitel Bangkok Sukhumvit
Address : 189 Sukhumvit Road Klong Toei Nuea Watthana Bangkok 10110
Sample Date : 24/05/2024 Analytical Date : 27/05-12/06/2024
Sample Type : Tap Water Report Date : 07/06/2024
Customer Code : JP 023-5-00

| Parameter | Unit | Method of Analysis | Detection Limit | Result | Regulatory Standard |
|--------------------------------------|-------|-------------------------------|--------------------|-----------------|------------------------|
| | | | | น้ำตกหน้าโรงแรม | |
| <i>Legionella spp.</i> ²⁾ | CFU/L | Membrane Filtration Technique | Not detected | Not detected | Not detected |
| Analysis No. | | | | WW 1094 | |
| Sampling Time | | | | 14:55 | |
| Sample Condition | | | | Clear | |

Regulatory Standard : Criteria to determine the quality of tap water Metropolitan Waterworks Authority,2017
: ²⁾ Subcontract: UAE



Analyst



Laboratory Manager

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY