

เอกสารแนบ 4

ผลการวิเคราะห์น้ำจากระบบบำบัดน้ำเสีย

ANALYSIS REPORT

CUSTOMER NAME : SOLID INTERTECH CO.,LTD.
ADDRESS : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540
CONTACT INFORMATION : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com
SAMPLING SOURCE : SINPHAET LAMLUKKA HOSPITAL
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JULY 11, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JULY 11, 2025
ANALYTICAL DATE : JULY 11-20, 2025
ISSUE DATE : JULY 23, 2025
REPORT NO. : 2025-U066776
WORK NO. : 2025-005844
ANALYSIS NO. : T25AP416-0001 - T25AP416-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--|----------------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 10:10 HOUR 1/ T25AP416-0001 | 2 10:50 HOUR 1/ T25AP416-0002 | | | |
| pH ^c | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 7.0 (25°C) | 7.7 (25°C) | 5.5-9.0 | - | - |
| BIOCHEMICAL OXYGEN DEMAND ^a | mg/L | MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G) | 156 | 12.8 | ≤ 20 | - | 2.0 |
| TOTAL SUSPENDED SOLIDS ^a | mg/L | TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D) | 273 | 8.2 | ≤ 30 | - | 5.0 |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 547 | 520 | 1,000* | - | 25 |
| SULPHIDE ^b | mg/L | IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F) | 2.6 | < 0.50 | ≤ 1.0 | - | 0.50 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 60.3 | 25.7 | ≤ 35 | 1.5 | 5.0 |
| OIL AND GREASE ^a | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 68 | < 3 | ≤ 20 | - | 3 |
| FREE CHLORINE ^c | mg/L Cl ₂ | DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F) | ND | ND | ≤ 1.0 | 0.1 | 0.4 |



| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--------------------------------|------------|--|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 10:10 HOUR 1/ T25AP416-0001 | 2 10:50 HOUR 1/ T25AP416-0002 | | | |
| MICROBIOLOGY | | | | | | | |
| TOTAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C) | >160,000 | 2,900 | ≤ 5,000 | 1.8 | - |
| FAECAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E) | >160,000 | 540 | ≤ 1,000 | 1.8 | - |
| SAMPLE CONDITION | | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | BROWN/TURBID BROWN | YELLOW/CLEAR BROWN | | | |

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

| | | | |
|----------------------------|--|------------------------|--------------------|
| CUSTOMER NAME | : SOLID INTERTECH CO.,LTD. | RECEIVED DATE | : JULY 11, 2025 |
| ADDRESS | : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540 | ANALYTICAL DATE | : JULY 11-18, 2025 |
| CONTACT INFORMATION | : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com | ISSUE DATE | : JULY 23, 2025 |
| SAMPLING SOURCE | : SINPHAET LAMLUKKA HOSPITAL | REPORT NO. | : 2025-U066778 |
| SAMPLE TYPE | : WATER SUPPLY | WORK NO. | : 2025-005844 |
| SAMPLING DATE | : JULY 11, 2025 | ANALYSIS NO. | : T25AP416-0003 |
| SAMPLING TIME | : 10:10 HOUR | | |
| SAMPLING METHOD | : - | | |
| SAMPLING BY | : CUSTOMER | | |
| ANALYZED BY | : MISS NAPAPORN KHUNNOKKHUM | | |

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | LIMIT OF QUANTITATION (LOQ) |
|--|------|--|-------------------------------|-----------------------------|
| | | | WATER SUPPLY T25AP416-0003 | |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 184 | 25 |
| SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT | | | COLOURLESS/CLEAR - | |

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : SOLID INTERTECH CO.,LTD.
ADDRESS : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540
CONTACT INFORMATION : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com
SAMPLING SOURCE : SINPHAET LAMLUKKA HOSPITAL
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 14, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : AUGUST 15, 2025
ANALYTICAL DATE : AUGUST 15-22, 2025
ISSUE DATE : AUGUST 27, 2025
REPORT NO. : 2025-U076959
WORK NO. : 2025-006874
ANALYSIS NO. : T25AR773-0001 - T25AR773-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--|----------------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 10:30 HOUR 1/ T25AR773-0001 | 2 12:00 HOUR 1/ T25AR773-0002 | | | |
| pH ^c | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 6.9 (25°C) | 7.6 (25°C) | 5.5-9.0 | - | - |
| BIOCHEMICAL OXYGEN DEMAND ^a | mg/L | MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G) | 97.2 | 7.0 | ≤ 20 | - | 2.0 |
| TOTAL SUSPENDED SOLIDS ^a | mg/L | TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D) | 268 | 10.4 | ≤ 30 | - | 5.0 |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 520 | 456 | 1,000 ^a | - | 25 |
| SULPHIDE ^b | mg/L | IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F) | 2.2 | < 0.50 | ≤ 1.0 | - | 0.50 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 153 | 30.2 | ≤ 35 | 1.5 | 5.0 |
| OIL AND GREASE ^a | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 28 | < 3 | ≤ 20 | - | 3 |
| FREE CHLORINE ^c | mg/L Cl ₂ | DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F) | ND | ND | ≤ 1.0 | 0.1 | 0.4 |



| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--------------------------------|------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 10:30 HOUR 1/ T25AR773-0001 | 2 12:00 HOUR 1/ T25AR773-0002 | | | |
| MICROBIOLOGY | | | | | | | |
| TOTAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C) | >160,000 | 23 | ≤ 5,000 | 1.8 | - |
| FAECAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E) | >160,000 | 2.0 | ≤ 1,000 | 1.8 | - |
| SAMPLE CONDITION | | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | YELLOW/CLEAR BROWN | | | |

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SOLID INTERTECH CO.,LTD.
ADDRESS : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540
CONTACT INFORMATION : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com
SAMPLING SOURCE : SINPHAET LAMLUKKA HOSPITAL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : AUGUST 14, 2025
SAMPLING TIME : 13:00 HOUR
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : AUGUST 15, 2025
ANALYTICAL DATE : AUGUST 15-21, 2025
ISSUE DATE : AUGUST 27, 2025
REPORT NO. : 2025-U076960
WORK NO. : 2025-006874
ANALYSIS NO. : T25AR773-0003

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | LIMIT OF QUANTITATION (LOQ) |
|--|------|--|-------------------------------|-----------------------------|
| | | | WATER SUPPLY T25AR773-0003 | |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 153 | 25 |
| SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT | | | COLOURLESS/CLEAR - | |

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : SOLID INTERTECH CO.,LTD.
ADDRESS : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540
CONTACT INFORMATION : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com
SAMPLING SOURCE : SINPHAET LAMLUKKA HOSPITAL
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : SEPTEMBER 10, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : SEPTEMBER 10, 2025
ANALYTICAL DATE : SEPTEMBER 10-18, 2025
ISSUE DATE : SEPTEMBER 22, 2025
REPORT NO. : 2025-U085493
WORK NO. : 2025-007774
ANALYSIS NO. : T25AU153-0001 - T25AU153-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--|----------------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 13:50 HOUR 1/ T25AU153-0001 | 2 14:20 HOUR 1/ T25AU153-0002 | | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 7.0 (25°C) | 7.9 (25°C) | 5.5-9.0 | - | - |
| BIOCHEMICAL OXYGEN DEMAND ^a | mg/L | MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G) | 221 | < 2.0 | ≤ 20 | - | 2.0 |
| TOTAL SUSPENDED SOLIDS ^a | mg/L | TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D) | 488 | 5.1 | ≤ 30 | - | 5.0 |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 442 | 423 | 1,000* | - | 25 |
| SULPHIDE ^b | mg/L | IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F) | < 0.50 | < 0.50 | ≤ 1.0 | - | 0.50 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 75.6 | 30.5 | ≤ 35 | 1.5 | 5.0 |
| OIL AND GREASE ^a | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 19 | < 3 | ≤ 20 | - | 3 |
| FREE CHLORINE ^c | mg/L Cl ₂ | DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F) | ND | ND | ≤ 1.0 | 0.1 | 0.4 |



| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--------------------------------|------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 13:50 HOUR 1/ T25AU153-0001 | 2 14:20 HOUR 1/ T25AU153-0002 | | | |
| MICROBIOLOGY | | | | | | | |
| TOTAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C) | >160,000 | 3,300 | ≤ 5,000 | 1.8 | - |
| FAECAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E) | >160,000 | 140 | ≤ 1,000 | 1.8 | - |
| SAMPLE CONDITION | | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | YELLOW/CLEAR BROWN | | | |

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SOLID INTERTECH CO.,LTD.
ADDRESS : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540
CONTACT INFORMATION : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com
SAMPLING SOURCE : SINPHAET LAMLUKKA HOSPITAL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : -
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : SEPTEMBER 10, 2025
ANALYTICAL DATE : SEPTEMBER 10-17, 2025
ISSUE DATE : SEPTEMBER 22, 2025
REPORT NO. : 2025-U085494
WORK NO. : 2025-007774
ANALYSIS NO. : T25AU153-0003

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | LIMIT OF QUANTITATION (LOQ) |
|--|------|--|-------------------------------|-----------------------------|
| | | | WATER SUPPLY T25AU153-0003 | |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 139 | 25 |
| SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT | | | COLOURLESS/CLEAR | |

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

| | | | |
|----------------------------|--|------------------------|---------------------------------|
| CUSTOMER NAME | : SOLID INTERTECH CO.,LTD. | RECEIVED DATE | : OCTOBER 9, 2025 |
| ADDRESS | : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540 | ANALYTICAL DATE | : OCTOBER 9-21, 2025 |
| CONTACT INFORMATION | : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com | ISSUE DATE | : OCTOBER 22, 2025 |
| SAMPLING SOURCE | : SINPHAET LAMLUKKA HOSPITAL | REPORT NO. | : 2025-U096018 |
| SAMPLE TYPE | : WASTEWATER | WORK NO. | : 2025-008820 |
| SAMPLING DATE | : OCTOBER 9, 2025 | ANALYSIS NO. | : T25AW950-0001 - T25AW950-0002 |
| SAMPLING TIME | : 1/ | | |
| SAMPLING METHOD | : - | | |
| SAMPLING BY | : CUSTOMER | | |
| ANALYZED BY | : MISS NAPAPORN KHUNNOKKHUM | | |

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--|----------------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 13:30 HOUR 1/ T25AW950-0001 | 2 14:00 HOUR 1/ T25AW950-0002 | | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 6.9 (25°C) | 7.5 (25°C) | 5.5-9.0 | - | - |
| BIOCHEMICAL OXYGEN DEMAND ^a | mg/L | MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G) | 238 | 5.6 | ≤ 20 | - | 2.0 |
| TOTAL SUSPENDED SOLIDS ^a | mg/L | TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D) | 782 | 10.5 | ≤ 30 | - | 5.0 |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 333 | 391 | 1,000* | - | 25 |
| SULPHIDE ^b | mg/L | IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F) | < 0.50 | < 0.50 | ≤ 1.0 | - | 0.50 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 75.6 | 31.7 | ≤ 35 | 1.5 | 5.0 |
| OIL AND GREASE ^a | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 17 | < 3 | ≤ 20 | - | 3 |
| FREE CHLORINE ^c | mg/L Cl ₂ | DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F) | ND | ND | ≤ 1.0 | 0.1 | 0.4 |



| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|---|------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 13:30 HOUR 1/ T25AW950-0001 | 2 14:00 HOUR 1/ T25AW950-0002 | | | |
| MICROBIOLOGY | | | | | | | |
| TOTAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C) | >160,000 | 4,500 | ≤ 5,000 | 1.8 | - |
| FAECAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E) | >160,000 | 540 | ≤ 1,000 | 1.8 | - |
| SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | YELLOW/CLEAR BROWN | | | |

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SOLID INTERTECH CO.,LTD.
ADDRESS : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540
CONTACT INFORMATION : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com
SAMPLING SOURCE : SINPHAET LAMLUKKA HOSPITAL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : OCTOBER 9, 2025
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : OCTOBER 9, 2025
ANALYTICAL DATE : OCTOBER 9-20, 2025
ISSUE DATE : OCTOBER 22, 2025
REPORT NO. : 2025-U096019
WORK NO. : 2025-008820
ANALYSIS NO. : T25AW950-0003

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | LIMIT OF QUANTITATION (LOQ) |
|--|------|--|-------------------------------|-----------------------------|
| | | | WATER SUPPLY T25AW950-0003 | |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 139 | 25 |
| SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT | | | COLOURLESS/CLEAR - | |

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

| | | | |
|----------------------------|--|------------------------|---------------------------------|
| CUSTOMER NAME | : SOLID INTERTECH CO.,LTD. | RECEIVED DATE | : NOVEMBER 19, 2025 |
| ADDRESS | : 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540 | ANALYTICAL DATE | : NOVEMBER 19-26, 2025 |
| CONTACT INFORMATION | : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com | ISSUE DATE | : NOVEMBER 28, 2025 |
| SAMPLING SOURCE | : SINPHAET LAMLUKKA HOSPITAL | REPORT NO. | : 2025-U108931 |
| SAMPLE TYPE | : WASTEWATER | WORK NO. | : 2025-009917 |
| SAMPLING DATE | : NOVEMBER 19, 2025 | ANALYSIS NO. | : T25BA179-0001 - T25BA179-0002 |
| SAMPLING TIME | : 1/ | | |
| SAMPLING METHOD | : - | | |
| SAMPLING BY | : CUSTOMER | | |
| ANALYZED BY | : MISS NAPAPORN KHUNNOKKHUM | | |

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--|----------------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 10:00 HOUR 1/ T25BA179-0001 | 2 10:30 HOUR 1/ T25BA179-0002 | | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 7.0 (25°C) | 7.4 (25°C) | 5.5-9.0 | - | - |
| BIOCHEMICAL OXYGEN DEMAND ^a | mg/L | MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G) | 122 | 15.3 | ≤ 20 | - | 2.0 |
| TOTAL SUSPENDED SOLIDS ^a | mg/L | TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D) | 250 | 21.7 | ≤ 30 | - | 5.0 |
| TOTAL DISSOLVED SOLIDS ^b | mg/L | TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C) | 498 | 475 | 1,000* | - | 25 |
| SULPHIDE ^b | mg/L | IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F) | 1.6 | < 0.50 | ≤ 1.0 | - | 0.50 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 71.8 | 25.8 | ≤ 35 | 1.5 | 5.0 |
| OIL AND GREASE ^a | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 15 | < 3 | ≤ 20 | - | 3 |
| FREE CHLORINE ^c | mg/L Cl ₂ | DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F) | ND | ND | ≤ 1.0 | 0.1 | 0.4 |



| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT | LIMIT OF QUANTITATION (LOQ) |
|--------------------------------|------------|---|-------------------------------------|-------------------------------------|---------------------|-----------------|-----------------------------|
| | | | 1 10:00 HOUR 1/ T25BA179-0001 | 2 10:30 HOUR 1/ T25BA179-0002 | | | |
| MICROBIOLOGY | | | | | | | |
| TOTAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C) | >160,000 | 4,200 | ≤ 5,000 | 1.8 | - |
| FAECAL COLIFORMS ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E) | >160,000 | 350 | ≤ 1,000 | 1.8 | - |
| SAMPLE CONDITION | | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | YELLOW/CLEAR BROWN | | | |

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 141, PART 233 D, DATED AUGUST 27, 2024.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR