

## 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** : APRIL 17, 2024  
**SAMPLING TIME** : 1/  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : APRIL 17, 2024  
**ANALYTICAL DATE** : APRIL 17-24, 2024  
**ISSUE DATE** : APRIL 29, 2024  
**REPORT NO.** : 2024-U035391  
**WORK NO.** : 2024-003340  
**ANALYSIS NO.** : T24AH981-0001 - T24AH981-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:20 HOUR 1/ T24AH981-0001	2 11:00 HOUR 1/ T24AH981-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.1 (25°C)	7.5 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	90.0	3.2	≤ 20	2.0
SUSPENDED SOLIDS <sup>c</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	95.4	ND	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	534	544	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	3.5	< 0.1	≤ 0.5	0.1
FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F)	ND	ND	-	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	1.7	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	63.4	33.9	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:20 HOUR 1/ T24AH981-0001	2 11:00 HOUR 1/ T24AH981-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	3,700	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	790	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

LABORATORY SUPERVISOR

APRIL 29, 2024

## 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** : APRIL 17, 2024  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : APRIL 17, 2024  
**ANALYTICAL DATE** : APRIL 17-23, 2024  
**ISSUE DATE** : APRIL 29, 2024  
**REPORT NO.** : 2024-U035392  
**WORK NO.** : 2024-003340  
**ANALYSIS NO.** : T24AH981-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T24AH981-0003	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	207	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

LABORATORY SUPERVISOR

APRIL 29, 2024





## 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** : MAY 16, 2024  
**SAMPLING TIME** : 1/  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : MAY 16, 2024  
**ANALYTICAL DATE** : MAY 16-24, 2024  
**ISSUE DATE** : MAY 28, 2024  
**REPORT NO.** : 2024-U045640  
**WORK NO.** : 2024-004178  
**ANALYSIS NO.** : T24AK389-0001 - T24AK389-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:20 HOUR 1/ T24AK389-0001	2 14:22 HOUR 1/ T24AK389-0002		
pH	-	ELECTROMETRIC METHOD (SM: PART 4500 -H <sup>+</sup> B)	7.1 (25°C)	7.5 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	101	19.8	≤ 20	2.0
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	51.8	7.6	≤ 30	5.0
TOTAL DISSOLVED SOLIDS	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	598	542	500*	25
SETTLEABLE SOLIDS	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.7	< 0.1	≤ 0.5	0.1
FREE CHLORINE	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F)	ND	ND	-	0.1
SULPHIDE	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	2.6	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	47.0	30.2	≤ 35	1.5
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	11	ND	≤ 20	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:20 HOUR 1/ T24AK389-0001	2 14:22 HOUR 1/ T24AK389-0002		
MICROBIOLOGY						
COLIFORM BACTERIA	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	3,900	-	1.8
FAECAL COLIFORM BACTERIA	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	>160,000	640	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID		
SEDIMENT			BROWN	BROWN		

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

.....  
( )  
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** : MAY 16, 2024  
**SAMPLING TIME** : 14:30 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : MAY 16, 2024  
**ANALYTICAL DATE** : MAY 16-23, 2024  
**ISSUE DATE** : MAY 28, 2024  
**REPORT NO.** : 2024-U045641  
**WORK NO.** : 2024-004178  
**ANALYSIS NO.** : T24AK389-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T24AK389-0003	
TOTAL DISSOLVED SOLIDS	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	498	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

.....  
  
 LABORATORY SUPERVISOR



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: SOLID INTERTECH CO.,LTD.	<b>RECEIVED DATE</b>	: JUNE 6, 2024
<b>ADDRESS</b>	: 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540	<b>ANALYTICAL DATE</b>	: JUNE 6-13, 2024
<b>CONTACT INFORMATION</b>	: TEL : 08 1686 3783 e-mail : solidintertech@gmail.com	<b>ISSUE DATE</b>	: JUNE 18, 2024
<b>SAMPLING SOURCE</b>	: SINPHAET LAMLUKKA HOSPITAL	<b>REPORT NO.</b>	: 2024-U053533
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>WORK NO.</b>	: 2024-005196
<b>SAMPLING DATE</b>	: JUNE 6, 2024	<b>ANALYSIS NO.</b>	: T24AM286-0001 - T24AM286-0002
<b>SAMPLING TIME</b>	: 1/		
<b>SAMPLING METHOD</b>	: -		
<b>SAMPLING BY</b>	: CUSTOMER		
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:00 HOUR 1/ T24AM286-0001	2 12:10 HOUR 1/ T24AM286-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500 -H <sup>+</sup> B)	7.0 (25°C)	7.6 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	103	2.4	≤ 20	2.0
SUSPENDED SOLIDS <sup>c</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	130	ND	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	485	493	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	6.0	< 0.1	≤ 0.5	0.1
FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F)	ND	ND	-	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	2.5	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	57.9	25.0	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	11	ND	≤ 20	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:00 HOUR I/ T24AM286-0001	2 12:10 HOUR I/ T24AM286-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C)	>160,000	3,300	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	720	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> 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 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

BIOCHEMICAL OXYGEN DEMAND (T24AM286-0002) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).

ND : NOT DETECTED.

.....

LABORATORY SUPERVISOR

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: SOLID INTERTECH CO.,LTD.	<b>RECEIVED DATE</b>	: JUNE 6, 2024
<b>ADDRESS</b>	: 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540	<b>ANALYTICAL DATE</b>	: JUNE 6-11, 2024
<b>CONTACT INFORMATION</b>	: TEL : 08 1686 3783 e-mail : solidintertech@gmail.com	<b>ISSUE DATE</b>	: JUNE 18, 2024
<b>SAMPLING SOURCE</b>	: SINPHAET LAMLUKKA HOSPITAL	<b>REPORT NO.</b>	: 2024-U053534
<b>SAMPLE TYPE</b>	: WATER SUPPLY	<b>WORK NO.</b>	: 2024-005196
<b>SAMPLING DATE</b>	: -	<b>ANALYSIS NO.</b>	: T24AM286-0003
<b>SAMPLING TIME</b>	: -		
<b>SAMPLING METHOD</b>	: -		
<b>SAMPLING BY</b>	: CUSTOMER		
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T24AM286-0003	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	230	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

.....  
[Signature]  
LABORATORY SUPERVISOR

