

## เอกสารแนบ 6

ผลวิเคราะห์น้ำทิ้ง

ห้างหุ้นส่วนจำกัด โซลิด เซลส์ แอนด์ เซอร์วิส  
(สำนักงานใหญ่) เลขที่ผู้เสียภาษี 0113546002058



SOLID SALE AND SERVICE LTD.,PART.

(Head Office) Tax ID : 0113546002058

5/3 หมู่ที่ 1 ต.บางแก้ว อ.บางพลี จ.สมุทรปราการ 10540

5/3 Moo 1 T.Bangkaew, A.Bangplee, Samutprakam 10540

โทรศัพท์ / โทรสาร 0-2738-7720-1, 0-2753-7161

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## ผลการวิเคราะห์คุณภาพน้ำทิ้งจากห้องปฏิบัติการ

ประจำเดือน มกราคม 2566

## ANALYSIS REPORT

**CUSTOMER NAME** : SOLID INTERTECH CO.,LTD.

**ADDRESS** : 9/17 MOO 1, SRINAKARIN ROAD, BANG KAE 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** : JANUARY 5, 2023

**SAMPLING TIME** : 1/

**SAMPLING METHOD** : -

**SAMPLING BY** : CUSTOMER

**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JANUARY 5, 2023

**ANALYTICAL DATE** : JANUARY 5-11, 2023

**REPORT NO.** : 2023-U003001

**WORK NO.** : 2022-010704

**ANALYSIS NO.** : T23AA077-0001 - T23AA077-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:00 HOUR 1/ T23AA077-0001	2 11:50 HOUR 1/ T23AA077-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)	7.4 (25°C)	7.4 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	101	6.6	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	29.2	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 2540 C	512	484	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	0.5	< 0.1	≤ 0.5	0.1
FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: 4500-Cl F)	ND	ND	-	0.1
SULPHIDE <sup>c</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sub>2</sub> F)	3.2	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	44.3	30.2	≤ 35	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:00 HOUR 1/ T23AA077-0001	2 11:50 HOUR 1/ T23AA077-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	>160,000	4,600	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221E)	>160,000	790	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	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  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

(MR:

G)



## 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** : JANUARY 5, 2023  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : JANUARY 5, 2023  
**ANALYTICAL DATE** : JANUARY 5-9, 2023  
**REPORT NO.** : 2023-U003002  
**WORK NO.** : 2022-010704  
**ANALYSIS NO.** : T23AA077-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AA077-0003	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	262	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.



JANUARY 16, 2023



ห้างหุ้นส่วนจำกัด โซลิด เซลส์ แอนด์ เซอร์วิส  
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## ผลการวิเคราะห์คุณภาพน้ำทิ้งจากห้องปฏิบัติการ

ประจำเดือน กุมภาพันธ์ 2566

## 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** : FEBRUARY 6, 2023  
**SAMPLING TIME** : 1/  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : FEBRUARY 6, 2023  
**ANALYTICAL DATE** : FEBRUARY 6-13, 2023  
**REPORT NO.** : 2023-U010775  
**WORK NO.** : 2023-000973  
**ANALYSIS NO.** : T23AB987-0001 - T23AB987-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:50 HOUR 1/ T23AB987-0001	2 12:40 HOUR 1/ T23AB987-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)	7.0 (25°C)	7.4 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	178	26.9	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	549	5.1	≤ 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 2540 C	544	519	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	11.0	< 0.1	≤ 0.5	0.1
FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	DPD FERROUS TITRIMETRIC METHOD (SM: 4500-Cl F)	ND	ND	-	0.1
SULPHIDE <sup>c</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sub>2</sub> F)	5.2	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	92.1	37.7	≤ 35	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	50	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:50 HOUR 1/ T23AB987-0001	2 12:40 HOUR 1/ T23AB987-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	13,000	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	>160,000	4,900	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			GREY	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  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE



FEBRUARY 20, 2023



## 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** : FEBRUARY 6, 2023  
**SAMPLING TIME** : 11:50 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : FEBRUARY 6, 2023  
**ANALYTICAL DATE** : FEBRUARY 6-9, 2023  
**REPORT NO.** : 2023-U010777  
**WORK NO.** : 2023-000973  
**ANALYSIS NO.** : T23AB987-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AB987-0003	
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	235	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/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.

(MF)



ห้างหุ้นส่วนจำกัด โซลิด เซลส์ แอนด์ เซอร์วิส  
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## ผลการวิเคราะห์คุณภาพน้ำทิ้งจากห้องปฏิบัติการ

ประจำเดือน มีนาคม 2566

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: SOLID INTERTECH CO.,LTD.	<b>RECEIVED DATE</b>	: MARCH 10, 2023
<b>ADDRESS</b>	: 9/17 MOO 1, SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540	<b>ANALYTICAL DATE</b>	: MARCH 10-20, 2023
<b>CONTACT INFORMATION</b>	: TEL : 08 1686 3783 e-mail : solidintertech@gmail.com	<b>REPORT NO.</b>	: 2023-U020494
<b>SAMPLING SOURCE</b>	: SINPHAET LAMLUKKA HOSPITAL	<b>WORK NO.</b>	: 2023-001827
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>ANALYSIS NO.</b>	: T23AE316-0001 - T23AE316-0002
<b>SAMPLING DATE</b>	: MARCH 10, 2023		
<b>SAMPLING TIME</b>	: 1/		
<b>SAMPLING METHOD</b>	: -		
<b>SAMPLING BY</b>	: CUSTOMER		
<b>ANALYZED BY</b>	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:15 HOUR 1/ T23AE316-0001	2 15:13 HOUR 1/ T23AE316-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.1 (25°C)	7.3 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O <sub>2</sub> G AND PART 5210 B)	106	15.0	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	1,251	12.7	≤ 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	544	502	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	23.0	0.4	≤ 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>c</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> -F)	5.6	< 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	53.5	31.2	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	9	ND	≤ 20	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:15 HOUR 1/ T23AE316-0001	2 15:13 HOUR 1/ T23AE316-0002		
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	9	ND	≤ 20	3
<b>MICROBIOLOGY</b>						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	400	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	500	-	1.8
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	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 (TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

(M G)



## 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 3, 2023  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : APRIL 3, 2023  
**ANALYTICAL DATE** : APRIL 3-12, 2023  
**REPORT NO.** : 2023-U027682  
**WORK NO.** : 2023-002867  
**ANALYSIS NO.** : T23AF930-0001 - T23AF930-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T23AF930-0001	2 T23AF930-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500 -H <sup>+</sup> B)	6.9 (25°C)	7.0 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	94.5	14.0	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	82.7	6.3	≤ 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	538	560	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	2.0	< 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>c</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	3.1	< 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	66.7	15.3	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	8	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 T23AF930-0001	2 T23AF930-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	100	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	300	-	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.

(MR (

APRIL 19, 2023

## 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 3, 2023  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : APRIL 3, 2023  
**ANALYTICAL DATE** : APRIL 3-5, 2023  
**REPORT NO.** : 2023-U027683  
**WORK NO.** : 2023-002867  
**ANALYSIS NO.** : T23AF930-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AF930-0003	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	210	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.

(M) (S)  
APRIL 19, 2023





ห้างหุ้นส่วนจำกัด โซลิด เซลส์ แอนด์ เซอร์วิส  
(สำนักงานใหญ่) เลขที่ผู้เสียภาษี 0113546002058



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E-mail : [windmaxx58@gmail.com](mailto:windmaxx58@gmail.com)

## ผลการวิเคราะห์คุณภาพน้ำทิ้งจากห้องปฏิบัติการ

ประจำเดือน พฤษภาคม 2566

## 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 18, 2023  
**SAMPLING TIME** : 1/  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : MAY 18, 2023  
**ANALYTICAL DATE** : MAY 18-26, 2023  
**REPORT NO.** : 2023-U041799  
**WORK NO.** : 2023-003636  
**ANALYSIS NO.** : T23AJ122-0001 - T23AJ122-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:40 HOUR 1/ T23AJ122-0001	2 14:30 HOUR 1/ T23AJ122-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500 -H <sup>+</sup> B)	7.2 (25°C)	7.3 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	99.2	ND	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	104	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	490	646	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	3.0	< 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	3.4	-	0.1
SULPHIDE <sup>c</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	3.6	< 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	54.2	9.4	≤ 35	15
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	9	ND	≤ 20	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:40 HOUR 1/ T23AJ122-0001	2 14:30 HOUR 1/ T23AJ122-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	< 1.8	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	>160,000	< 1.8	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	COLOURLESS/CLEAR		
SEDIMENT			BROWN	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.

(MR)

MAY 31, 2023

## 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 18, 2023  
**SAMPLING TIME** : 13:45 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : MAY 18, 2023  
**ANALYTICAL DATE** : MAY 18-25, 2023  
**REPORT NO.** : 2023-U041800  
**WORK NO.** : 2023-003636  
**ANALYSIS NO.** : T23AJ122-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AJ122-0003	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	211	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.



ห้างหุ้นส่วนจำกัด โซลิด เซลส์ แอนด์ เซอร์วิส

(สำนักงานใหญ่) เลขที่ผู้เสียภาษี 0113546002058

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## ผลการวิเคราะห์คุณภาพน้ำทิ้งจากห้องปฏิบัติการ

ประจำเดือน มิถุนายน 2566

## ANALYSIS REPORT

**CUSTOMER NAME** : SOLID INTERTECH CO.,LTD.  
**ADDRESS** : 9/17 MOO 1, SRINAKARIN ROAD, BANG KAE0 BANG PHU SAMUT PRAKAN 10540  
**CONTACT INFORMATION** : TEL : 08 1686 3783 e-mail : solidintertech@gmail.com  
**SAMPLING SOURCE** : SINPHAET LAMLUKKA HOSPITAL  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JUNE 13, 2023  
**SAMPLING TIME** : 1/  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : JUNE 13, 2023  
**ANALYTICAL DATE** : JUNE 13-23, 2023  
**REPORT NO.** : 2023-U050881  
**WORK NO.** : 2023-004365  
**ANALYSIS NO.** : T23AL100-0001 - T23AL100-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:00 HOUR 1/ T23AL100-0001	2 13:30 HOUR 1/ T23AL100-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.3 (25°C)	7.3 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	106	13.1	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	49.8	27.6	≤ 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	505	565	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.8	0.3	≤ 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>d</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	57.4	25.0	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	7	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1	2		
			13:00 HOUR :/ T23AL100-0001	13:30 HOUR :/ T23AL100-0002		
MICROBIOLOGY						
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	100	-	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	400	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID		
SEDIMENT			BROWN	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.



JUNE 23, 2023

## 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** : JUNE 13, 2023  
**SAMPLING TIME** : 13:35 HOUR  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : JUNE 13, 2023  
**ANALYTICAL DATE** : JUNE 13-20, 2023  
**REPORT NO.** : 2023-U050882  
**WORK NO.** : 2023-004365  
**ANALYSIS NO.** : T23AL100-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AL100-0003	
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM. PART 2540 C)	220	25
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/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.