

เอกสารแนบ 6

ผลวิเคราะห์น้ำทิ้ง

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 : JANUARY 10, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JANUARY 10, 2024
ANALYTICAL DATE : JANUARY 10-16, 2024
REPORT NO. : 2024-U004768
WORK NO. : 2023-010826
ANALYSIS NO. : T24AA431-0001 - T24AA431-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:30 HOUR 1/ T24AA431-0001	2 11:00 HOUR 1/ T24AA431-0002		
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500 -H ⁺ B)	7.3 (25°C)	7.5 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	32.4	11.4	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	22.8	7.7	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	651	608	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.7	< 0.1	≤ 0.5	0.1
FREE CHLORINE ^c	mg/L Cl ₂	DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F)	ND	ND	-	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.5	< 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	51.6	30	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:30 HOUR 1/ T24AA431-0001	2 11:00 HOUR 1/ T24AA431-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	4,000	-	1.8
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	540	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TUR8ID	YELLOW/CLEAR		
SEDIMENT			BROWN	YELLOW		

^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 STILL NOT ACCREDITED

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(Signature of Laboratory Supervisor)
LABORATORY SUPERVISOR

JANUARY 22, 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 : JANUARY 10, 2024
SAMPLING TIME : 11:30 HOUR
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JANUARY 10, 2024
ANALYTICAL DATE : JANUARY 10-12, 2024
REPORT NO. : 2024-U004769
WORK NO. : 2023-010826
ANALYSIS NO. : T24AA431-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T24AA431-0003	
TOTAL DISSOLVED SOLIDS ^D	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	309	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

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

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^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

LABORATORY SUPERVISOR

JANUARY 22, 2024



ANALYSIS REPORT

CUSTOMER NAME	: SOLID INTERTECH CO.,LTD.	RECEIVED DATE	: FEBRUARY 5, 2024
ADDRESS	: 9/17 MOO 1 SRINAKARIN ROAD, BANG KAE0 BANG PHLI SAMUT PRAKAN 10540	ANALYTICAL DATE	: FEBRUARY 5 - FEBRUARY 12, 2024
CONTACT INFORMATION	: TEL : 08 1686 3783 e-mail : solidintertech@gmail.com	ISSUE DATE	: FEBRUARY 14, 2024
SAMPLING SOURCE	: SINPHAET LAMLUKKA HOSPITAL	REPORT NO.	: 2024-U012433
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2024-001110
SAMPLING DATE	: FEBRUARY 5, 2024	ANALYSIS NO.	: T24AC194-0001 - T24AC194-0002
SAMPLING TIME	: 1/		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:20 HOUR 1/ T24AC194-0001	2 11:17 HOUR 1/ T24AC194-0002		
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500 -H ⁺ B)	6.8 (25°C)	7.6 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	219	12	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	11.5	6.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	690	679	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	< 0.1	≤ 0.5	0.1
FREE CHLORINE ^c	mg/L Cl ₂	DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F)	ND	ND	-	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.5	< 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	51.2	26	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:20 HOUR 1/ T24AC194-0001	2 11:17 HOUR 1/ T24AC194-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	4,300	-	1.8
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	720	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID		
SEDIMENT			BROWN	BROWN		

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

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

ND : NON-DETECTABLE.

LABORATORY SUPERVISOR

FEBRUARY 14, 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 : FEBRUARY 5, 2024
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : FEBRUARY 5, 2024
ANALYTICAL DATE : FEBRUARY 5-7, 2024
ISSUE DATE : FEBRUARY 14, 2024
REPORT NO. : 2024-U012434
WORK NO. : 2024-001110
ANALYSIS NO. : T24AC194-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T24AC194-0003	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	264	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

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

LABORATORY SUPERVISOR

FEBRUARY 14, 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 : MARCH 5, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : MARCH 5, 2024
ANALYTICAL DATE : MARCH 5-11, 2024
ISSUE DATE : MARCH 15, 2024
REPORT NO. : 2024-U021646
WORK NO. : 2024-002205
ANALYSIS NO. : T24AE467-0001 - T24AE467-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:00 HOUR 1/ T24AE467-0002	2 11:11 HOUR 1/ T24AE467-0001		
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500 -H ⁺ B)	7.4 (25°C)	7.6 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	106	10.0	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	29.3	8.5	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	690	672	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	< 0.1	≤ 0.5	0.1
FREE CHLORINE ^c	mg/L Cl ₂	DPD FERROUS TITRIMETRIC METHOD (SM: PART 4500-Cl F)	ND	ND	-	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	1.8	< 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	38	28.8	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:00 HOUR 1/ T24AE467-0002	2 11:11 HOUR 1/ T24AE467-0001		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	2,900	-	1.8
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	>160,000	540	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	BROWN		

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

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^c : 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, 23rd EDITION, 2017.

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

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RESULT 2 : EFFLUENT

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

ND : NON-DETECTABLE.

LABORATORY SUPERVISOR

MARCH 18, 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 : MARCH 5, 2024
SAMPLING TIME : 11:10 HOUR
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MARCH 5, 2024
ANALYTICAL DATE : MARCH 5-7, 2024
ISSUE DATE : MARCH 15, 2024
REPORT NO. : 2024-U021647
WORK NO. : 2024-002205
ANALYSIS NO. : T24AE467-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T24AE467-0003	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	242	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

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

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^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

LABORATORY SUPERVISOR

MARCH 18, 2024

