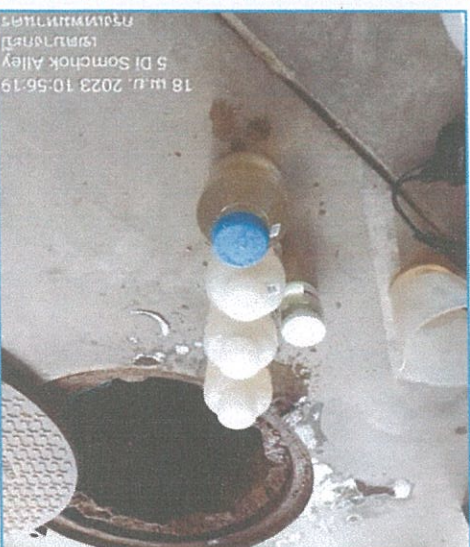
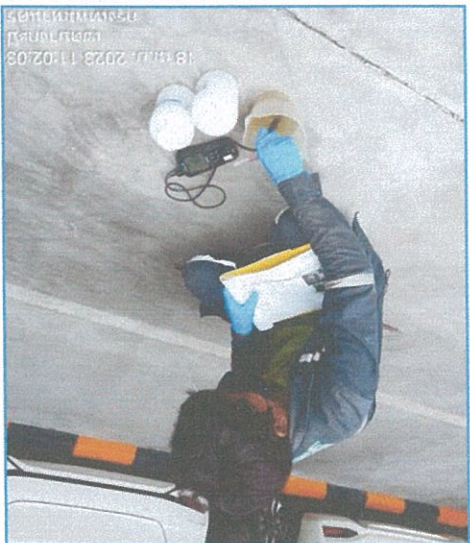

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๒๒๕ หน้าที่ ๒๒๕ ของ ๒๒๕ หน้า

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 โครงการพัฒนาระบบบริหารจัดการน้ำในพื้นที่ลุ่มน้ำเจ้าพระยา - ปีงบประมาณ 2566



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NSC-TISI-TIS 17023
 TESTING 0207
 NO 0063

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 LAT PHRAO ROAD KHLONG CHAN BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2681 5234, 065 291 6858 E-mail : nkanan.v@thehivegroup.com
SAMPLING SOURCE : WASTEWATER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JANUARY 19, 2023
SAMPLING TIME : 17
SAMPLING METHOD : GRAB
SAMPLING BY : MR. ARCHITA SAEWJAN
ANALYZED BY : MISS ANONRAT PUTTALEE
RECEIVED DATE : JANUARY 19, 2023
ANALYTICAL DATE : JANUARY 19-25, 2023
REPORT NO. : 2023-0006675
WORK NO. : 2023-001474
ANALYSIS NO. : T23A6981-0001 - T23A6981-0002

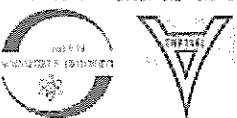
PARAMETER	UNIT	METHOD OF ANALYSIS		RESULT	REGULATORY STANDARD LIMIT
		1	2		
PH	-	ELECTROMETRIC METHOD AT SITE (ISM4500-H-B)	7.6 (37°C) 7.7 (20°C)	7.7 (20°C)	5.9
BIOCHEMICAL OXYGEN DEMAND	mg/L	MEMBRANE ELECTRODE METHOD (SM 4500-O G AND 5210 B)	176	40 B	5.50
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM 2540 D)	77.4	28.3	5.40
TOTAL DISSOLVED SOLIDS	mg/L	IN-HOUSE METHOD (MET-1P VACUUM DRY AT 103-105 °C) SM 2540 C	453	45B	500
SETTLABLE SOLIDS	ML	IMHOFF CONE (SM 2540 F)	2.5	< 0.1	5.05
SULPHIDE	mg/L	IODOMETRIC METHOD (SM 4500-S (-))	< 0.50	< 0.50	5.10
TOTAL AMMONIAL NITROGEN	mg/L	IN-HOUSE METHOD (VALTRAP 4500-01) (NDOBAM METHOD) SM 4500-NH3 C	31.1	25.2	5.35



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 450 MINUTES MAX
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 3501 (ถนนพหลโยธิน 47) Sukhumvit Road Bangkok, Phrakhanong Bangkok 10260
 Tel: 02-760 2828 Fax: 02-760 2800 www.uacconsultants.com E-mail: uac@uacconsultants.com

REG-TEST-TIS 17025
 TESTING 0007
 No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			1	2	REGULATORY STANDARD LIMIT
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID PARTITION GRAVIMETRIC METHOD (SM 4520B)	13.44581-0001	13.44581-0002	NO
			15.00 HOUR	15.00 HOUR	
SAMPLE CONDITION			NO		
WATER COLOR/TURBID			YELLOW TURBID	YELLOW TURBID	YELLOW
SEDIMENT			YELLOW	YELLOW	

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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 B, NOTIFICATION OF THE
 MINISTRY OF RESOURCES AND ENVIRONMENT PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE VOL. 122
 PART 105 D DATED DECEMBER 29, 2005 AND VOL. 109 SPECIAL PART 171 D, DATED JULY 21 2002

NO NON-DETECTABLE

Signature
 (MRS. PIVAPAT SUITAMUNWONG)
 LABORATORY SUPERVISOR

JANUARY 31, 2023

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2023-0006675

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โครงการก่อสร้างอาคาร 107 ชั้น - กรุงเทพมหานคร 2566



United Analyst and Engineering Consultant Co., Ltd.
350, Udomsuk 41, Subhuvlin Road, Bangkok, Bangkok 10710
Tel: 0 2763 1839 Fax: 0 2763 2800 www.unitedanalyst.com E-mail: unitedanalyst@unitedanalyst.com

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 SOI LADPRAO 107 BANGKOK
CONTACT INFORMATION : TEL : 0 2461 5234, 065 291 6858 E-mail : mabandv@thebwinjoo.com
SAMPLE SOURCE : WATER SUPPLY : WATER SUPPLY
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : JANUARY 19, 2023
SAMPLING TIME : 15:40 HOURS
SAMPLING METHOD : GRAB
SAMPLING BY : MR. ADITHA SAEJIAN
ANALYZED BY : MISS ARIVA THAKAPORN
RECEIVED DATE : JANUARY 19, 2023
ANALYTICAL DATE : JANUARY 19, 2023
REPORT NO. : 2023-0006576
WORK NO. : 2023-000474
ANALYSIS NO. : T23A581-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
TOTAL DISSOLVED SOLIDS	mg/l	TOTAL DISSOLVED SOLIDS DIED AT 180 °C (ISM 2840)	272	25
WATER'S COLOUR/TURBID				
SEDIMENT				

* : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
* : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, MWWA, WEF, 23rd EDITION, 2012


(MRS. PIYAPAT SUTTHANUNTUNONG)
LABORATORY SUPERVISOR
S.

JANUARY 31, 2023


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โครงการตรวจวัดคุณภาพน้ำ 107 ปะจันตอน มท.๑๓ - ธันวาคม 2566



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MSC-TIS-TIS 17035
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No. 0093



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ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 LAT PHRAO ROAD KULONG CHAN BANG BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2481 5234, 055 291 6058 E-mail : mae@uaeconsultant.com
SAMPLING SOURCE : WASTEWATER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : FEBRUARY 22, 2023
SAMPLING TIME : 17
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS ARIVA THAKUMON

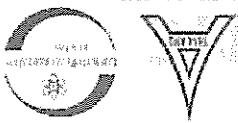
RECEIVED DATE : FEBRUARY 22, 2023
ANALYTICAL DATE : FEBRUARY 22 - MARCH 1, 2023
REPORT NO. : 2023-0015296
WORK NO. : 2023-000474
ANALYSIS NO. : TZADP151-0001 - TZADP151-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1	2		
pH		ELECTROMETRIC METHOD AT SITE (SM PART 4500 H B)	7.2 (27°C)	7.1 (27°C)	5.9	
BIOCHEMICAL OXYGEN DEMAND	mg/L	MEMBRANE BIOFILTRATION METHOD (SM PART 4500 O 2 AND PART 5210 B)	183	15.1	5.30	2.0
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM PART 2540 D)	55.9	44.0	5.40	5.0
TOTAL DISSOLVED SOLIDS	mg/L	GRAVIMETRIC METHOD (SM PART 2540 D)	60.4	56.4	500	25
SETTLABLE SOLIDS	mg/L	(TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C) (SM PART 2540 C)				0.1
SETTLABLE SOLIDS	mg/L	IMMERSION CONE (SM PART 2540 E)	0.5	0.3	5.05	0.50
SILICIC ACID	mg/L	PHOTOMETRIC METHOD (SM PART 4500-SI)	4.1	< 0.50	5.10	0.50
TOTAL KJELDAHL NITROGEN	mg/L	INDUCTIVE METHOD (SM PART 4500-N) (KJELDAHL METHOD) (SM PART 4500-N)	0.16	0.1	5.30	1.5

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NSC-T191-T16 11025
TESTING 11027
TESTING No. 0059

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE	mg/L	LIQUID LIQUID PARTITION GRAVIMETRIC METHOD (ISM PART 6620 B)	ND	ND	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID					
SEDIMENT					
YELLOW/TURBID					
YELLOW/TURBID					

4. ISO/IEC 17025 ACCREDITED BY THE INDUSTRIAL STANDARDS INSTITUTE (ISI)
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7. BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017
8M
9. STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017
RESULT 1 : INFILTRANT
RESULT 2 : EFFLUENT
RESULATORY STANDARD : RANGE OF MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE
MINISTRY OF RESOURCES AND ENVIRONMENT PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122
PART 125 D, DATED DECEMBER 28, 2005 AND VOL. 129 SPECIAL PART 171 D, DATED JULY 21, 2022
PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED
500P
TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1000 mg/L
NON-DETECTABLE

(MRS PIYAPAT SUTTHANWONG)
LABORATORY SUPERVISOR

MARCH 3, 2023

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2023-0015296

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154/100 Moo 4, Sukhumvit Road Bangkok, Thailand 10110
Tel: 02-7701 2811 Fax: 02-7701 2800 www.unitedanalyst.com E-mail: uae@unitedanalyst.com

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPAO 107 501 LADPAO 107 LAT PHRAO ROAD KHUANG CHAI BANG KAP BANGKOK 10740
CONTACT INFORMATION : TEL : 0 2491 5234, 065 291 6858 E-mail : nisanol.v@unitedanalyst.com
SAMPLING SOURCE : LADPAO 107 BANG KAP BANGKOK
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : FEBRUARY 22, 2023
SAMPLING TIME : 12:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAWUT THOSAKORN
ANALYZED BY : MISS ARJYA THAKARON
RECEIVED DATE : FEBRUARY 22, 2023
ANALYTICAL DATE : FEBRUARY 22 - MARCH 1, 2023
REPORT NO. : 2023-0015207
WORK NO. : 2023-000474
ANALYSIS NO. : 12340151 0003

PARAMETER	UNIT	METHOD OF ANALYSIS	
		RESULT	DETECTION LIMIT
TOTAL DISSOLVED SOLIDS	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM)	2% 12340151-0003
WATER'S COLOUR/TURBIDITY			
SEDIMENT			

* ISO/IEC 17025 ACCREDITED BY THE INDUSTRIAL STANDARDS INSTITUTE (ISI)
* ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
* 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

(MR) SIYAPAT SUTTHANUNTACHON
LABORATORY SUPERVISOR

Signature

MARCH 3, 2023


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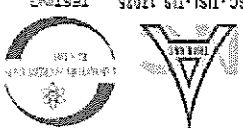
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โครงการบำบัดน้ำเสียและน้ำฝนชุมชน - กรุงเทพมหานคร - 107



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HSC-ITSI-TIS 17025 TESTING 0207
TESTING NO. 0063

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LAOPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LAOPRAO 107 SOI LAOPRAO 107 LAT PHRAO ROAD KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2481 5234, 055 293 6858 E-mail : uac@uacconsultant.com
SAMPLING SOURCE : WASTEWATER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MARCH 22, 2023
SAMPLING TIME : 11
SAMPLING METHOD : GRAB
SAMPLING BY : MR. ACHITA SAENGJAN
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MARCH 22, 2023
ANALYTICAL DATE : MARCH 22, 2023
REPORT NO. : 2023-UD23559
WORK NO. : 2023-00474
ANALYSIS NO. : T23AF117-0001 : T23AF117-0002


PARAMETER	UNIT	METHOD OF ANALYSIS		RESULT		REGULATORY STANDARD	DETECTION LIMIT
		1	2	1	2		
pH		ELECTROMETRIC METHOD AT SITE (SMA PART 4500-H)	7.3 (2-C)	7.5 (2-C)	6.9		
BIOLOGICAL OXYGEN DEMAND	mg/L	MEASUREMENT BY FICHTRODE METHOD (SMA PART 5210B AND PART 4500-O)	210	344	≤ 30		20
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SMA PART 2540 D)	208	54	≤ 40		50
TOTAL DISSOLVED SOLIDS	mg/L	WASTEWATER METHOD (SMA PART 2540 C) (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C)	392	412	≤ 600		25
SETTLABLE SOLIDS	mg/L	WASTEWATER METHOD (SMA PART 2540 F)	60	100	≤ 0.5		0.1
SULFIDE	mg/L	IODOMETRIC METHOD (SMA PART 4500-S)	4.2	< 0.50	≤ 10		0.50
TOTAL KJELDAHL NITROGEN	mg/L	WASTEWATER METHOD (SMA PART 4500-N)	63.8	33.7	≤ 35		15




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โครงการพัฒนาระบบสารสนเทศ - 107 พฤษภาคม 2566



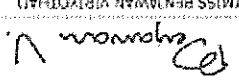
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350/1 Udomsakdi, Subhavit Road, Bangkok, Phrakhanong, Bangkok 10260
Tel 02-2763 2828 Fax 02-763 2800 www.uacconsultant.com E-mail: uac@uacconsultant.com



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE	mg/l	POUND LIQUID PARTITION-GRAVIMETRIC METHOD (SMA PART 552 B)	1	14.30 HOUR	14.30 HOUR
			2	14.30 HOUR	14.30 HOUR
SAMPLE CONDITION	WATERS COLOUR/TURBID	YELLOW/TURBID	1	14.30 HOUR	14.30 HOUR
			2	14.30 HOUR	14.30 HOUR
FAT, OIL AND GREASE	mg/l	POUND LIQUID PARTITION-GRAVIMETRIC METHOD (SMA PART 552 B)	1	14.30 HOUR	14.30 HOUR
			2	14.30 HOUR	14.30 HOUR
FAT, OIL AND GREASE	mg/l	POUND LIQUID PARTITION-GRAVIMETRIC METHOD (SMA PART 552 B)	1	14.30 HOUR	14.30 HOUR
			2	14.30 HOUR	14.30 HOUR

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4. BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017
5. STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017
6. RESULT 1 : INFULENT
7. RESULT 2 : EFFLUENT
8. REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122 PART 25 D, DATED DECEMBER 29, 2005 AND VOL. 129 SPECIAL PART 171 D, DATED JULY 21, 2002
9. 500 : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED
10. NON-DETECTABLE : TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1000 mg/L



(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR
APRIL 4, 2023

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DECLASSIFIED DATE: 08/01/2001

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APRIL 4, 2023

(MISS BENJAMIN VIRVATHAI)
LABORATORY SUPERVISOR

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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

PARAMETER		UNIT	METHOD OF ANALYSIS		RESULT	WATER SUPPLY	DETECTION LIMIT
TOTAL DISSOLVED SOLIDS*		mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 100 °C/ISM		206	123AF117-0003	25
SAMPLE CONDITION			PART 2560 CI				
WATERS COLOUR/TURBID					COLOURLESS/CLEAR		
SEDIMENT							

CUSTOMER NAME	THE CUBE LOFT LADPRAO 107
ADDRESS	NO. 54 THE CUBE LOFT LADPRAO 107 LAT PHRAO ROAD KHUANG CHAI BANG KAPI BANGKOK 10310
CONTACT INFORMATION	TEL : 0 2681 5234, 085 791 6858 E-mail : mcsnand.v@thelivingmcs.com
SAMPLE SOURCE	WATERBURY WATERWAY 107
SAMPLE TYPE	WATER SUPPLY
SAMPLING DATE	MARCH 22, 2023
SAMPLING TIME	16:35 HOUR
SAMPLING METHOD	GRAB
SAMPLING BY	MR. ADITHA SANGMAN
ANALYZED BY	MISS AJIYA THAPAROM
RECEIVED DATE	MARCH 22, 2023
ANALYTICAL DATE	MARCH 22-28, 2023
REPORT NO.	2023-0023570
WORK NO.	2023-00474
ANALYSIS NO.	123AF117 0503


ANALYSIS REPORT

United Analyst and Engineering Consultant Co., Ltd.
350 Udomsakul 41, Sukhumvit Road, Bangkok, Phraekong Bangkok 10250
Tel: 02-765-2626 Fax: 02-765-2805 www.uapacconsultant.com E-mail: uapac@uapacconsultant.com


[illegible]

9952 หนองน้ำ - หนองน้ำ

รายงานผลการปฏิบัติงานของโครงการบำบัดน้ำเสียและน้ำทิ้งชุมชน
โครงการบำบัดน้ำเสียชุมชน 107 ประจวบ - ภูเก็ต 2566



United Analyst and Engineering Consultant Co., Ltd.
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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uacconsultant.com E-mail: uae@uacconsultant.com



TESTING 4217
TIS 17025
HSC-TIS 17025
TESTING 4217
No. 0058

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 LAT PHRAO ROAD KHUONG CHAN BANG BANGKOK
CONTACT INFORMATION : TEL : 0 2481 5234, 065 291 6858 E-mail: nisanad.v@nisanad.com
SAMPLING SOURCE : WASTEWATER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 18, 2023
SAMPLING TIME : 17
SAMPLING METHOD : GRAB
SAMPLING BY : MR. SONGKART UTHUMRAT
ANALYZED BY : MISS ANSARIN BUNKONG

RECEIVED DATE : APRIL 18, 2023
ANALYTICAL DATE : APRIL 18-25, 2023
REPORT NO. : 2023-U031033
WORK NO. : 2023-000479
ANALYSIS NO. : T23AG796-0001 - T23AG796-0002

PARAMETER	UNIT	METHOD OF ANALYSIS			REGULATORY STANDARD	DEFLECTION LIMIT
		1	2	RESULT		
pH		ELECTROMETRIC METHOD AT SITE (SM PART 4500-H B)	7.6 (32°C)	7.6 (34°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND	mg/L	MODIFANE ELECTRODE METHOD (SM PART 5210 B AND PART 4500-O G)	286	53.6	≤ 30	20
SUSPENDED SOLIDS	mg/L	IN-HOUSE METHOD (SM PART 2540 D)	11.6	22.4	≤ 40	50
TOTAL DISSOLVED SOLIDS	mg/L	IN-HOUSE METHOD (SM PART 2540 C)	54	364	500	25
SETTLABLE SOLIDS	ML/L	IMHOFF CONE (SM PART 2540 F)	20	< 0.1	≤ 0.5	0.1
SULPHIDE	mg/L	IODOMETRIC METHOD (SM PART 4500-S)	4.2	< 0.50	≤ 10	0.50
TOTAL KIELOAL NITROGEN	mg/L	IN-HOUSE METHOD (SM PART 4500-M)	98.2	15.8	≤ 35	15



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โครงการก่อสร้างอาคารพาณิชย์ 107 ปีระจาดิอน มกราคม 2566



United Analyst and Engineering Consultant Co., Ltd.
3501 Udomsakul 41, Sukhumvit Road, Bangkok, Thailand 10250
Tel: 02-27632828 Fax: 02-27632800 www.unitedanalyst.com E-mail: uaee@unitedanalyst.com

TESTING 0207
No. 0093

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD LIMIT			
			1	2				
FAT, OIL AND GREASE ^a	mg/L	LIQUID LIQUID PARTITION GRAVIMETRIC METHOD (SM PART 5520 B)	12.05 mg/L	10.50 mg/L	ND			
			12.05 mg/L	12.05 mg/L				
			SAMPLE CONDITION			YELLOW/TURBID	YELLOW/TURBID	5.20
			WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID	3
			SEDIMENT			YELLOW/TURBID	YELLOW/TURBID	

^a : ISOMET 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : ISOMET 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED
IN-HOUSE^c : 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 B, 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 24, 2007
500^c : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED
ND : NON-DETECTABLE

(MISS BENJAWAN VIREYOTHA)
LABORATORY SUPERVISOR
Benjawan V.

MAY 2, 2023

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2023-U031033

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โครงการก่อสร้างอาคารสำนักงาน 107 ชั้นใต้ดิน - กรุงเทพมหานคร 2566



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3 Soi Udomsuk 47, Sukhumvit Road, Bangkok 10260
Tel: 02-2763 2828 Fax: 02-2763 2800 www.uaecconsultant.com e-mail: uaec@uaecconsultant.com

TESTING
No. 0003

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 SOI LADPRAO 107 LAT PHRAO ROAD KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2691 5234, 065 291 6958 e-mail : nisanad.v@thelivingres.com
SAMPLING SOURCE : WATERED WATER 107
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : APRIL 18, 2023
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR. SOMCHART UTHUMRAT
ANALYZED BY : MISS ANIYA THAKKON

RECEIVED DATE : APRIL 18, 2023
ANALYTICAL DATE : APRIL 18-25, 2023
REPORT NO. : 2023-U031034
WORK NO. : 2023-000474
ANALYSIS NO. : 123A0796-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	SAMPLE CONDITION	
			TOTAL DISSOLVED SOLIDS ¹	WATER'S COLOR/TURBID
	mg/L		PART 2540 C)	
			TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM)	
			182	COLORLESS/CLEAR
			WATER SUPPLY	
			123A0796-0003	
			DETECTION LIMIT	
			25	

* : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
* : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
* : 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

(Signature)
(MISS BENJAWAN VORVOTHA)
LABORATORY SUPERVISOR

MAY 2, 2023

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PARAMETER	UNIT	METHOD OF ANALYSIS		RESULT		REGULATORY STANDARD	DETECTION LIMIT
		1	2	1	2		
PH		ELECTROMETRIC METHOD AT 25°C (SM PART 4500-H-6)	7.4 (35°C)	7.4 (35°C)	12.0 (35°C)	12.0 (35°C)	
BIOCHEMICAL OXYGEN DEMAND	mg/l	MEYERMAN ELECTRODE METHOD (SM PART 5210-B AND PART 4500-O-6)	103	43.1	50	50	20
SUSPENDED SOLIDS	mg/l	SUSPENDED SOLIDS DRIED AT 103 TO 105 °C (SM PART 2540-D)	70.2	200	50	50	50
TOTAL DISSOLVED SOLIDS	mg/l	24-HOUR METHOD (USE 1924-AO-007) (TOTAL DISSOLVED SOLIDS DRIED AT 180 TO 190 °C) (SM PART 2540-C)	250	376	500	500	25
SETTLABLE SOLIDS	ml	IMHOFF CONE (SM PART 2540-F)	< 0.1	< 0.1	< 0.5	< 0.5	0.1
SULPHIDE	mg/l	100-METRIC METHOD (SM PART 4500-S)	< 0.50	< 0.50	< 1.0	< 1.0	0.50
TOTAL Kjeldahl Nitrogen	mg/l	11-HOUR METHOD (USE 1924-AO-001) (KJELDAHL METHOD) (SM PART 4500-N-10)	28.5	22.2	≤ 35	≤ 35	15

CUSTOMER NAME	NO 54 THE CUBE LOFT LADPAO 107
ADDRESS	NO 54 THE CUBE LOFT LADPAO 107 LAT PHRAO ROAD KHUONG CHAM BANG KAPI BANGKOK 10240
CONTACT INFORMATION	TEL : 0 2481 5234, 065 291 6555 e-mail : nisanad.v@thelabingos.com
SAMPLING SOURCE	WASTEWATER
SAMPLE TYPE	WASTEWATER
SAMPLING DATE	MAY 16, 2023
SAMPLING TIME	17
SAMPLING METHOD	GRAB
SAMPLING BY	MR APISIT SIKHONGKAEW
ANALYZED BY	MISS ARYAN THAKARAW
RECEIVED DATE	MAY 16, 2023
ANALYTICAL DATE	MAY 16-24, 2023
REPORT NO.	2023-0040548
WORK NO.	2023-00474
ANALYSIS NO.	123A1785-0001 - 123A1785-0002

ANALYSIS REPORT


United Analyst and Engineering Consultant Co., Ltd
 350i Uthaisakul Road Bangkok, Phrakhanong Bangkok 10250
 Tel: 0 2763 2828 Fax: 0 2763 2800 www.jaeconsultant.com E-mail: jae@jaeconsultant.com
 NSC-TISI-TIS-17025 TESTING 0207

 TESTING 0207

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[illegible]

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โครงการต่ออธิบดีพลเอกสุรยุทธ์ 107 ประจำปี 2566 - 2567



NSO-TIS-115-17025
TESTING 0007
No. 0003
TESTING

United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsak 41, Sukhumvit Road, Bangkok, Thailand 10260
Tel: 02-7632828 Fax: 02-7632800 www.unaconsultant.com E-mail: una@unaconsultant.com

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CONSULTANT CO., LTD.

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD DETECTION LIMIT
			1	2	
FAT OIL AND GREASE	mg/L	LIQUID-LIQUID PARTITION GRAVIMETRIC METHOD (SM PART 5520 B)	1234567-0001 12.30 HOUR	1234567-0002 12.30 HOUR	ND
SAMPLE CONDITION			YELLOW-TAN BROWN	YELLOW-TAN BROWN	

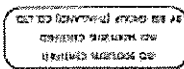
* : ISOLATED 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED
IN-HOUSE : BASED ON STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017
SM : STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017
RESULT 1 : INFILTRANT
RESULT 2 : EFFLUENT
REGULATORY : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE VOL. 122
PART 105 D, DATED DECEMBER 29, 2005
PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED
500
ND : NON DETECTABLE

(MRS PIYAPAT SUITAMANTWONG)
LABORATORY SUPERVISOR

Piyapat S.

MAY 29, 2023

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2023-0040548

บริษัท ยูนิท จำกัด

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Tel: 02-2763-2828 Fax: 02-2763-2800 www.uacconsultant.com E-mail: uae@uacconsultant.com

TESTING
NO.0003

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 SOI LADPRAO 107 LAT PHRAO ROAD KHLONG CHAN BANG KAPI BANGKOK
CONTACT INFORMATION : TEL : 0 2481 5234, 065 091 6859 e-mail : mesand.v@thehivegroup.com
SAMPLING SOURCE : WATER SUPPLY
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : MAY 16, 2023
SAMPLING TIME : 12.10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR. APISIT SIKONGKAEW
ANALYZED BY : MISS ARYA THAKKON

RECEIVED DATE : MAY 16, 2023
ANALYTICAL DATE : MAY 16-22, 2023
REPORT NO. : 2023-030474
WORK NO. : 2023-030474
ANALYSIS NO. : 1234785-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	SAMPLE CONDITION	
			TOTAL DISSOLVED SOLIDS*	WATERS COLOUR/TURBID
	mg/l		PART 2540 C)	
			TOTAL DISSOLVED SOLIDS DIED AT 100 °C (SM)	
			203	
			DETECTION LIMIT	

* ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
* ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
* 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.

(MRS. PIYAPAT SUITANUTWONG)
LABORATORY SUPERVISOR

MAY 29, 2023

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ในโครงการพัฒนาลำน้ำคูน้ำ 107 กรุงเทพมหานคร - กรุงเทพมหานคร 2566

3 Soi Udomsak 11, Sukhumvit Road, Bangkok, Phraekhanong, Bangkok 10260
Tel: 0 2763 2828 Fax: 0 2762 2800 www.uaeconsultant.com E-mail: uaec@uaeconsultant.com

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NSC - TIS 17025
TESTING 0267
TESTING NO. 0063

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THIF CUBE LOFT LADPRAO 107 LAT PHRAO ROAD KHLONG CHAN BANG KANG BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2481 5234, 025 291 6858 E-mail : msanaed.v@thehivegroup.com
SAMPLING SOURCE : WASTEWATER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JUNE 13, 2023
SAMPLING TIME : 17:00
SAMPLING METHOD : GRAB
SAMPLING BY : MR. ACHITA SAEKJAM
ANALYZED BY : MISS ARIYA THAPAROM

RECEIVED DATE : JUNE 13, 2023
ANALYTICAL DATE : JUNE 13-23, 2023
REPORT NO. : 2023-0051169
WORK NO. : 2023-00474
ANALYSIS NO. : T23AL081-0001 - T23AL081-0002

PARAMETER	UNIT	METHOD OF ANALYSIS			RESULT	REGULATORY STANDARD	DETECTION LIMIT
		1	2	3			
PH	-	ELECTROMETRIC METHOD AT SITE (SM PART 4500-H B)	7.2 (23°C)	7.4 (24°C)	5-9	-	-
BIOCHEMICAL OXYGEN DEMAND	mg/L	MARBRAVE ELECTRIC METHOD (SM PART 5210 B AND PART 4500 O G)	226	60.2	≤ 30	2.0	-
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM PART 2540 D)	138	310	≤ 40	5.0	-
TOTAL DISSOLVED SOLIDS	mg/L	IN HOUSE METHOD UAE TP-WAO-007 (TOTAL DISSOLVED SOLIDS DRIED AT 102-105 °C, SM PART 2540 C)	366	377	500	25	-
SETTLABLE SOLIDS	m/L	KIMOFF CONE (SM PART 2540 F)	12.0	≤ 0.1	≤ 0.5	0.1	-
SULPHIDE	mg/L	IODOMETRIC METHOD (SM PART 4500 S ²)	≤ 0.50	≤ 0.50	≤ 1.0	0.50	-
TOTAL KJELDAHL NITROGEN	mg/L	IN-HOUSE METHOD, UAE TP-WAS-001 (KJELDAHL METHOD), SM PART 4500-N (NO ₃ -N)	317	230	≤ 35	15	-





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โครงการระดับจังหวัด 107 ประจำปี 2566 - มิถุนายน 2566

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 350 Witonsakul Road, Bangkok 10760
 Tel: 02763 2826 Fax: 02763 2900 www.uacconsultant.com E-mail: uac@uacconsultant.com

TESTING NO. 0063
 TESTING NO. 17025
 TESTING NO. 0207

PARAMETER		UNIT	METHOD OF ANALYSIS		RESULT		
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SIA PART 5521 B)	14	ND	1	2	
			173ALOM1-0001	173ALOM1-0002	13.45 HOUR /	13.55 HOUR /	
SAMPLE CONDITION			YELLOW/TURBID	YELLOW/TURBID			
WATER'S COLOR/TURBID			BROWN	BROWN			
SEGMENT							

1. ISO/IEC 17025 ACCREDITED BY (THAI INDUSTRIAL STANDARDS INSTITUTE (TISI))
 2. VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED
 3. BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017
 4. STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017
 5M
 RESULT 1 : INFLUENT
 RESULT 2 : EFFLUENT
 REGULATORY STANDARD RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE
 MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122,
 PART 126 D, DATED DECEMBER 21, 2009 AND VOL. 139 SPECIAL PART 111 D, DATED JULY 21, 2022
 5007
 PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED
 NON-DETECTABLE

Report S.
 (MRS PIYAPAT SUTTAMANUWONG)
 LABORATORY SUPERVISOR

JUNE 26, 2023

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2023-0051169

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โครงการติดตั้งสถานีบำบัดน้ำเสียที่ท่าเรือ 107 ปะจันตอน นครพนม - สิงหาคม 2566



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3 Soi Udomsakul 41, Subhumai Road, Bangkok, Bangkok 10260
Tel: 02-763-7828 Fax: 02-763-2800 www.uacconsultant.com E-mail: uae@uacconsultant.com

TESTING
No. 0003

ANALYSIS REPORT

CUSTOMER NAME : THE CUBE LOFT LADPRAO 107
ADDRESS : NO. 54 THE CUBE LOFT LADPRAO 107 SOI LADPRAO 107 LAT PHRAO ROAD KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2481 5234, 066 291 6858 e-mail : uae@uacconsultant.com
SAMPLING SOURCE : WASTEWATER FROM THE CUBE LOFT LADPRAO 107
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JUNE 13, 2023
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR. ADITHA SAKHAIYAN
ANALYZED BY : MISS NARAPORN KUNNONGKHAM

PARAMETER	UNIT	METHOD OF ANALYSIS	WATER'S COLOR/TURBIDITY	
			TOTAL DISSOLVED SOLIDS ¹	SEDIMENT
	mg/L		PART 2540 C)	
			220	
			1234.061-0003	
			DETECTION LIMIT	

¹ : ISO/IEC 17025 ACCREDITED BY THE INDUSTRIAL STANDARDS INSTITUTE (TISI)
² : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
³ : 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

(MRS. PIRAPAT SUKTHANAWONG)
LABORATORY SUPERVISOR

JUNE 26, 2023

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