

## ภาคผนวก 5

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง

## ผลตรวจน้ำทิ้ง เดือน 1



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

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NSC - TISI - TIS 17025

TESTING 0207



TESTING

No. 0063

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: THE PRESIDENT SUKHUMVIT BUILDING A	<b>RECEIVED DATE</b>	: JANUARY 18, 2023
<b>ADDRESS</b>	: NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTANA BANGKOK 10110	<b>ANALYTICAL DATE</b>	: JANUARY 18-25, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com	<b>REPORT NO.</b>	: 2023-U006701
<b>SAMPLING SOURCE</b>	: 0 ตึกอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A	<b>WORK NO.</b>	: 2022-010682
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T23AA880-0001
<b>SAMPLING DATE</b>	: JANUARY 18, 2023		
<b>SAMPLING TIME</b>	: 14:30 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR APISIT SRIKONGKAEW		
<b>ANALYZED BY</b>	: MISS RIYA THARAROM		

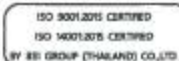
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้ง T23AA880-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.5 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	24.2	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	7.8	≤ 40	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	351	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 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	316	≤ 35	15
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID 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 ACCREDITEDIN-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.

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 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.



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Tel. 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

TESTING  
No.0063

## ANALYSIS REPORT

**CUSTOMER NAME** : THE PRESIDENT SUKHUMVIT BUILDING A  
**ADDRESS** : NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@theivingos.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : JANUARY 18, 2023  
**SAMPLING TIME** : 14:40 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR APISIT SRIKONGKAEW  
**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : JANUARY 18, 2023  
**ANALYTICAL DATE** : JANUARY 18-20, 2023  
**REPORT NO.** : 2023-U006704  
**WORK NO.** : 2022-010682  
**ANALYSIS NO.** : T23AA880-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			นำผลมา T23AA880-0002	
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	251	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 ACCREDITEDSM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

JANUARY 30, 2023

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TESTING 0207TESTING  
No. 0063

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: THE PRESIDENT SUKHUMVIT BUILDING A	<b>RECEIVED DATE</b>	: FEBRUARY 17, 2023
<b>ADDRESS</b>	: NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTANA BANGKOK 10110	<b>ANALYTICAL DATE</b>	: FEBRUARY 17-24, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com	<b>REPORT NO.</b>	: 2023-U013890
<b>SAMPLING SOURCE</b>	: คู่มืออาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A	<b>WORK NO.</b>	: 2022-010682
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T23ACB51-0001
<b>SAMPLING DATE</b>	: FEBRUARY 17, 2023		
<b>SAMPLING TIME</b>	: 13:40 HOUR		
<b>SAMPLING METHOD <sup>a</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR. PORAWORN BUNNAG		
<b>ANALYZED BY</b>	: MISS ARTYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้ง T23ACB51-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM 4500 H <sup>+</sup> B)	7.8 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM 4500-O <sub>2</sub> G AND 5210 B)	25.6	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM 2540 D)	10.4	≤ 40	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	350	500 <sup>c</sup>	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>c</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM 4500-Norg C	36.2	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM 5520 B)	ND	≤ 20	3
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

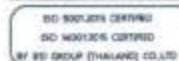
<sup>a</sup>: ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)<sup>b</sup>: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)<sup>c</sup>: VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITEDIN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF 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.

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 28, 2005 AND VOL. 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500<sup>c</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED (TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1000 mg/L).

ND : NON-DETECTABLE.

FEBRUARY 28, 2023



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TESTING  
No.0063

## ANALYSIS REPORT

**CUSTOMER NAME** : THE PRESIDENT SUKHUMVIT BUILDING A  
**ADDRESS** : NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2481 5234, 065 291 6858 e-mail : nisanadv@thelivingos.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : FEBRUARY 17, 2023  
**SAMPLING TIME** : 13:45 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR PORAWORN BUNNAG  
**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : FEBRUARY 17, 2023  
**ANALYTICAL DATE** : FEBRUARY 17-23, 2023  
**REPORT NO.** : 2023-UOL3891  
**WORK NO.** : 2022-010682  
**ANALYSIS NO.** : T23AC851-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			แจ้งประสง T23AC851-0002	
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM. 2540 C)	192	25
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT				

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

FEBRUARY 28, 2023

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NSC-TISI-TIS 17025  
TESTING 0207TESTING  
No. 0063

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: THE PRESIDENT SUKHUMVIT BUILDING A	<b>RECEIVED DATE</b>	: MARCH 20, 2023
<b>ADDRESS</b>	: NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTANA BANGKOK 10110	<b>ANALYTICAL DATE</b>	: MARCH 20-27, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com	<b>REPORT NO.</b>	: 2023-U022766
<b>SAMPLING SOURCE</b>	: นิติบุคคลอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A	<b>WORK NO.</b>	: 2022-010682
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T23AE944-0001
<b>SAMPLING DATE</b>	: MARCH 20, 2023		
<b>SAMPLING TIME</b>	: 12.00 HOUR		
<b>SAMPLING METHOD <sup>a</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR. ACHITA SAENGJAN		
<b>ANALYZED BY</b>	: MISS AKSARIN BUNKONG		

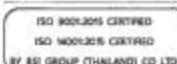
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			อ้างอิง T23AE944-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM. PART 4500-H <sup>+</sup> B)	7.5 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM. PART 5210 B AND PART 4500-O G)	26.0	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM. PART 2540 D)	8.4	≤ 40	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	298	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM. PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>a</sup>	mg/L	IODOMETRIC METHOD (SM. PART 4500 -S <sup>2-</sup> F)	0.86	≤ 10	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM. PART 4500-Norg C	26.0	≤ 35	15
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM. PART 5520 B)	ND	≤ 20	3
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			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 ACCREDITEDIN-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.

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 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



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No.0063

### ANALYSIS REPORT

**CUSTOMER NAME** : THE PRESIDENT SUKHUMVIT BUILDING A  
**ADDRESS** : NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2461 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com  
**SAMPLING SOURCE** : ถังบำบัดอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A  
**SAMPLE TYPE** : WATER SUPPLY **RECEIVED DATE** : MARCH 20, 2023  
**SAMPLING DATE** : MARCH 20, 2023 **ANALYTICAL DATE** : MARCH 20-24, 2023  
**SAMPLING TIME** : 12:10 HOUR **REPORT NO.** : 2023-U022767  
**SAMPLING METHOD <sup>1</sup>** : GRAB **WORK NO.** : 2022-010682  
**SAMPLING BY <sup>2</sup>** : MR ACHITA SAENGJAN **ANALYSIS NO.** : T23AE944-0002  
**ANALYZED BY** : MISS ARIYA THARAROM

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จำแนกค่า T23AE944-0002	
TOTAL DISSOLVED SOLIDS <sup>3</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (5M PART 2540 C)	28	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

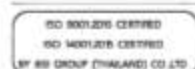
<sup>1</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>2</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>3</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.

MARCH 30, 2023



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NSC-TISI-TIS 17025  
TESTING 0207TESTING  
No. 0053

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: THE PRESIDENT SUKHUMVIT BUILDING A	<b>RECEIVED DATE</b>	: APRIL 20, 2023
<b>ADDRESS</b>	: NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTANA BANGKOK 10110	<b>ANALYTICAL DATE</b>	: APRIL 20 - MAY 2, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com	<b>REPORT NO.</b>	: 2023-U032108
<b>SAMPLING SOURCE</b>	: นิติบุคคลอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A	<b>WORK NO.</b>	: 2022-010682
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T23AH008-0001
<b>SAMPLING DATE</b>	: APRIL 20, 2023		
<b>SAMPLING TIME</b>	: 10:45 HOUR		
<b>SAMPLING METHOD <sup>a</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR ACHITA SAENGJAN		
<b>ANALYZED BY</b>	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ้าน T23AH008-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.7 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	21.1	≤ 30	20
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	8.3	≤ 40	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	291	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	≤ 10	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE TP WAS 001 (KJELDAHL METHOD); SM: PART 4500-Norg C	29.4	≤ 35	1.5
FAT, OIL, AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

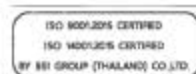
<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITEDIN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION 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.

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 21, 2022.

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

ND : NON-DETECTABLE.

MAY 3, 2023



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TESTING  
No.0063

## ANALYSIS REPORT

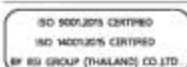
**CUSTOMER NAME** : THE PRESIDENT SUKHUMVIT BUILDING A  
**ADDRESS** : NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : APRIL 20, 2023  
**SAMPLING TIME** : 10:55 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR. ACHITA SAENGJAN  
**ANALYZED BY** : MISS. ARIYA THARAROM

**RECEIVED DATE** : APRIL 20, 2023  
**ANALYTICAL DATE** : APRIL 20-27, 2023  
**REPORT NO.** : 2023-U032109  
**WORK NO.** : 2022-010682  
**ANALYSIS NO.** : T23AH008-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			น้ำประปา T23AH008-0002	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM PART 2540 C)	197	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR COLOURLESS	

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

MAY 3, 2023



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No. 0063

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: THE PRESIDENT SUKHUMVIT BUILDING A	<b>RECEIVED DATE</b>	: MAY 26, 2023
<b>ADDRESS</b>	: NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTHANA BANGKOK 10110	<b>ANALYTICAL DATE</b>	: MAY 26-JUNE 6, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com	<b>REPORT NO.</b>	: 2023-U044897
<b>SAMPLING SOURCE</b>	: นิติบุคคลอาคารชุด เดอะ เพรสซิเดนซ์ สุขุมวิท อาคาร A	<b>WORK NO.</b>	: 2022-010682
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T23A0786-0001
<b>SAMPLING DATE</b>	: MAY 26, 2023		
<b>SAMPLING TIME</b>	: 12:00 HOUR		
<b>SAMPLING METHOD <sup>a</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR. ACHITA SAENGJIAN		
<b>ANALYZED BY</b>	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			อ้างอิง T23A0786-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM PART 4500-H <sup>+</sup> B)	7.5 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM PART 5210 B AND PART 4500-O G)	37.3	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM PART 2540 D)	11.9	≤ 40	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	305	500 <sup>c</sup>	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM PART 4500-S <sup>2-</sup> F)	2.0	≤ 10	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM PART 4500-Norg C	12.6	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM PART 5520 B)	ND	≤ 20	3
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

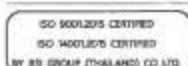
<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITEDIN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION 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.

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 21, 2022.

500<sup>c</sup> : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

JUNE 8, 2023



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 TESTING  
No.0063

### ANALYSIS REPORT

**CUSTOMER NAME** : THE PRESIDENT SUKHUMVIT BUILDING A  
**ADDRESS** : NO 2079 SUKHUMVIT ROAD PHRA KHANONG NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2481 5234, 065 291 6858 e-mail : nisanad.v@thelivingos.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด เดอะ เพรสซิเด็นท์ สุขุมวิท อาคาร A  
**SAMPLE TYPE** : WATER SUPPLY **RECEIVED DATE** : MAY 26, 2023  
**SAMPLING DATE** : MAY 26, 2023 **ANALYTICAL DATE** : MAY 26-JUNE 5, 2023  
**SAMPLING TIME** : 12:05 HOUR **REPORT NO.** : 2023-U044898  
**SAMPLING METHOD <sup>a</sup>** : GRAB **WORK NO.** : 2022-010682  
**SAMPLING BY <sup>c</sup>** : MR. ACHITA SAENGJAN **ANALYSIS NO.** : T23AJ786-0002  
**ANALYZED BY** : MISS ARJYA THARAROM

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ค่าประมาณ T23AJ786-0002	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM PART 2540 C)	204	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

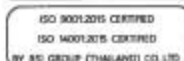
<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<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.

JUNE 8, 2023



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