

เอกสารแนบ 4

เอกสารผลการตรวจวัดคุณภาพ
สิ่งแวดล้อม

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : ALOFT HOTEL SUKHUMVIT 11 TEL : 0 2207 7098 e-mail : engineering.aloftbkk@alofthotels.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 1, 2022
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JULY 1, 2022
ANALYTICAL DATE : JULY 1-8, 2022
REPORT NO. : 2022-U053774
WORK NO. : 2022-005356
ANALYSIS NO. : T22AM968-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AM968-0001		
BIOCHEMICAL OXYGEN DEMAND	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	5.0	≤ 20	2.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

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

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.

COMMENT : PARAMETER ANALYSED IS COMPLIED WITH REGULATORY STANDARD.

JULY 14, 2022



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : TEL : 0 2207 7098 e-mail : Preeda.Nousook@aloft-hotels.com
SAMPLING SOURCE : CANTEEN
SAMPLE TYPE : DRINKING WATER
SAMPLING DATE : JULY 7, 2022
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD ^c : STERILE TECHNIQUE
SAMPLING BY ^c : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JULY 7, 2022
ANALYTICAL DATE : JULY 7-11, 2022
REPORT NO. : 2022-U056773
WORK NO. : 2021-007854
ANALYSIS NO. : T22AN444-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			DRINKING WATER T22AN444-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	ABSENCE	ABSENCE	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: 9215 B)	1.8x10 ³	-	1
<i>Clostridium perfringens</i> ^c	/100 mL	ENVIRONMENT AGENCY, THE MICROBIOLOGY OF DRINKING WATER, 2010 PART 6	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

^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

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

REGULATORY STANDARD : BOTTLED DRINKING WATER QUALITY STANDARDS, NOTIFICATION OF THE MINISTRY OF PUBLIC HEALTH, NO.61, B.E. 2524 (1981) ISSUED UNDER THE FOOD ACT, B.E. 2522 (1979), PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 98, PART 157 (SPECIAL ISSUED), DATED SEPTEMBER 24, B.E. 2524 (1981).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD.

JULY 22, 2022



ANALYSIS REPORT

CUSTOMER NAME	: ALOFT BANGKOK SUKHUMVIT 11	RECEIVED DATE	: AUGUST 4, 2022
ADDRESS	: 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110	ANALYTICAL DATE	: AUGUST 4-15, 2022
CONTACT INFORMATION	: TEL : 0 2207 7098 e-mail : noppadol.pinchan@alofthotels.com	REPORT NO.	: 2022-U063862
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT	WORK NO.	: 2021-007854
SAMPLE TYPE	: WASTEWATER	ANALYSIS NO.	: T22AP336-0004 - T22AP336-0005
SAMPLING DATE	: AUGUST 4, 2022		
SAMPLING TIME	: 1/		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR WEERAYUT MOKKAEW		
ANALYZED BY	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:35 HOUR 1/ T22AP336-0004	2 13:30 HOUR 1/ T22AP336-0005		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.4 (30°C)	7.9 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	120	7.7	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	47.7	6.5	≤ 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 2540 C	426	432	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	1.4	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	3.2	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	65.5	17.9	≤ 35	1.5



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:35 HOUR 1/ T22AP336-0004	2 13:30 HOUR 1/ T22AP336-0005		
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	8	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	YELLOW/TURBID BROWN		

^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

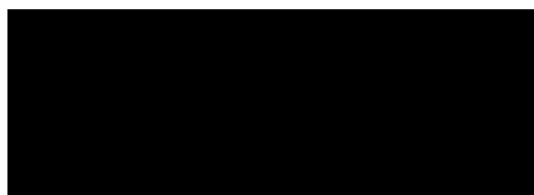
RESULT 2 : EFFLUENT

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.

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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD.



AUGUST 22, 2022

ANALYSIS REPORT

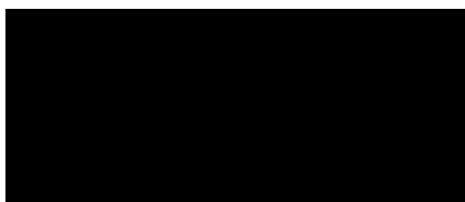
CUSTOMER NAME	: ALOFT BANGKOK SUKHUMVIT 11	RECEIVED DATE	: SEPTEMBER 28, 2022
ADDRESS	: 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110	ANALYTICAL DATE	: SEPTEMBER 28 - OCTOBER 3, 2022
CONTACT INFORMATION	: ALOFT HOTEL SUKHUMVIT 11 TEL : 0 2207 7098 e-mail : engineering.aloftbkk@alofthotels.com	REPORT NO.	: 2022-U078837
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT	WORK NO.	: 2022-007897
SAMPLE TYPE	: EFFLUENT	ANALYSIS NO.	: T22AT172-0001
SAMPLING DATE	: SEPTEMBER 27, 2022		
SAMPLING TIME	: 12:20 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR WEERAYUT MOKKAEW		
ANALYZED BY	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT172-0001		
BIOCHEMICAL OXYGEN DEMAND	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	5.5	≤ 20	2.0
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

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

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.

COMMENT : BIOCHEMICAL OXYGEN DEMAND IS COMPLIED WITH REGULATORY STANDARD.



OCTOBER 10, 2022



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTANA BANGKOK 10110
CONTACT INFORMATION : TEL : 0 2207 7098 e-mail : noppadol.pinchan@aloft-hotels.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : OCTOBER 12, 2022
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE
RECEIVED DATE : OCTOBER 12, 2022
ANALYTICAL DATE : OCTOBER 12-21, 2022
REPORT NO. : 2022-U083535
WORK NO. : 2021-007854
ANALYSIS NO. : T22AU367-0005 - T22AU367-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:50 HOUR 1/ T22AU367-0005	2 12:00 HOUR 1/ T22AU367-0006		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	6.4 (29°C)	6.7 (27°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	143	4.6	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	41.9	ND	≤ 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 2540 C	359	242	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	1.0	< 0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	1.6	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	62.3	6.4	≤ 35	1.5

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:50 HOUR 1/ T22AU367-0005	2 12:00 HOUR 1/ T22AU367-0006		
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	YELLOW/CLEAR BROWN		

^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.

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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD.



OCTOBER 27, 2022

ANALYSIS REPORT

CUSTOMER NAME	: ALOFT BANGKOK SUKHUMVIT 11	RECEIVED DATE	: NOVEMBER 3, 2022
ADDRESS	: 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110	ANALYTICAL DATE	: NOVEMBER 3-10, 2022
CONTACT INFORMATION	: TEL : 0 2207 7098 e-mail : noppadol.pinchan@aloft-hotels.com	REPORT NO.	: 2022-U090089
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT	WORK NO.	: 2021-007854
SAMPLE TYPE	: WASTEWATER	ANALYSIS NO.	: T22AV899-0004 - T22AV899-0005
SAMPLING DATE	: NOVEMBER 3, 2022		
SAMPLING TIME	: 1/		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR WEERAYUT MOKKAEW		
ANALYZED BY	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 12:10 HOUR 1/ T22AV899-0004	2 12:05 HOUR 1/ T22AV899-0005		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	6.7 (29°C)	7.6 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	80.8	5.2	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	34.2	5.8	≤ 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 2540 C	356	304	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	3.2	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	54.3	12.5	≤ 35	1.5



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 12:10 HOUR 1/ T22AV899-0004	2 12:05 HOUR 1/ T22AV899-0005		
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	4	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	YELLOW/CLEAR 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.

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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD.



NOVEMBER 17, 2022

DRAFT ANALYSIS REPORT

PRELIMINARY RESULT *

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : TEL : 0 2207 7098 e-mail : noppadol.pinchan@aloft-hotels.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 8, 2022
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : DECEMBER 8, 2022
ANALYTICAL DATE : DECEMBER 8-16, 2022
REPORT NO. : 2022-U101256
WORK NO. : 2021-007854
ANALYSIS NO. : T22AY537-0004 - T22AY537-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:50 HOUR 1/ T22AY537-0004	2 13:45 HOUR 1/ T22AY537-0005		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.0 (28°C)	7.6 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	185	12.2	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	176	5.4	≤ 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 2540 C	423	362	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	5.0	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ₂ ⁻ F)	9.4	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-N _{org} C	87.5	10.2	≤ 35	1.5

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:50 HOUR 1/ T22AY537-0004	2 13:45 HOUR 1/ T22AY537-0005		
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	16	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BLACK	YELLOW/TURBID BROWN		

^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.

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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD.

* NOTE : 1. ANALYSIS RESULTS ARE PRELIMINARY FOR A PURPOSE OF REPORTING A PROGRESS OF LABORATORY SERVICE.
2. DRAFT ANALYSIS REPORT MAY BE SUBJECT TO FURTHER MODIFICATION , ITS USE IS LIMITED TO CUSTOMER DECISION.

DECEMBER 22, 2022

DRAFT ANALYSIS REPORT

PRELIMINARY RESULT *

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110
CONTACT INFORMATION : TEL : 0 2207 7098 e-mail : noppadol.pinchan@aloft hotels.com
SAMPLING SOURCE : ICE MACHINE WXYZ
SAMPLE TYPE : ICE
SAMPLING DATE : DECEMBER 8, 2022
SAMPLING TIME : 13:35 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : DECEMBER 8, 2022
ANALYTICAL DATE : DECEMBER 8-12, 2022
REPORT NO. : 2022-U101251
WORK NO. : 2021-007854
ANALYSIS NO. : T22AY537-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ICE T22AY537-0001		
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	< 1.1	-	1.1
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 2.2	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Clostridium perfringens</i> ^c	/100 mL	ENVIRONMENT AGENCY, THE MICROBIOLOGY OF DRINKING WATER, 2010 PART 6	NOT DETECTED	1/	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: 9215 B)	3.0x10 ²	-	1
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		
			-		

^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

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

REGULATORY STANDARD : ICE QUALITY STANDARDS, NOTIFICATION OF THE MINISTRY OF PUBLIC HEALTH, NO.78, B.E. 2527 (1984), PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 101, PART 23, DATED FEBRUARY 22, 1984.

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD.

* NOTE : 1. ANALYSIS RESULTS ARE PRELIMINARY FOR A PURPOSE OF REPORTING A PROGRESS OF LABORATORY SERVICE.
2. DRAFT ANALYSIS REPORT MAY BE SUBJECT TO FURTHER MODIFICATION , ITS USE IS LIMITED TO CUSTOMER DECISION.

DECEMBER 22, 2022

