

เอกสารแนบ 4

เอกสารผลการตรวจวัดคุณภาพสิ่งแวดล้อม



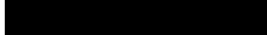
ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : TEL [REDACTED]
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JULY 10, 2023
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : [REDACTED]
ANALYZED BY : [REDACTED]
RECEIVED DATE : JULY 10, 2023
ANALYTICAL DATE : JULY 10-17, 2023
REPORT NO. : 2023-U058974
WORK NO. : 2022-009461
ANALYSIS NO. : T23AN193-0013 - T23AN193-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:50 HOUR 1/ T23AN193-0013	2 14:45 HOUR 1/ T23AN193-0014		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.9 (29°C)	7.5 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	243	38.0	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	33.6	14.0	≤ 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	380	385	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	8.5	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	3.2	1.6	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	123	60.3	≤ 35	1.5



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : 
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 29, 2023
SAMPLING TIME : 12:00 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : 
ANALYZED BY : 
RECEIVED DATE : JULY 29, 2023
ANALYTICAL DATE : JULY 29 - AUGUST 6, 2023
REPORT NO. : 2023-U064944
WORK NO. : 2023-006177
ANALYSIS NO. : T23A0576-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T23A0576-0001		
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	26.3	≤ 20	2.0
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ₂ -F)	< 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	17.9	≤ 35	1.5
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			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)

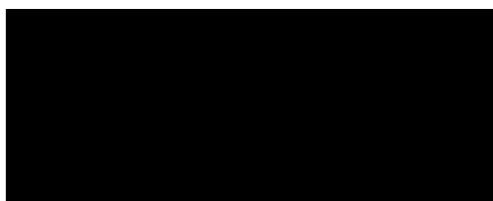
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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.

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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND.



AUGUST 8, 2023



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:50 HOUR 1/ T23AN193-0013	2 14:45 HOUR 1/ T23AN193-0014		
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	100	3	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID GREY		

^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.

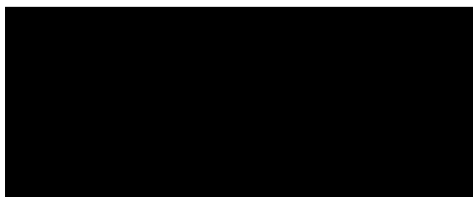
RESULT 1 : INFLUENT

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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND, SULPHIDE AND TOTAL KJELDAHL NITROGEN.



JULY 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : [REDACTED]
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 16, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : [REDACTED]
ANALYZED BY : [REDACTED]

RECEIVED DATE : AUGUST 16, 2023
ANALYTICAL DATE : AUGUST 16-22, 2023
REPORT NO. : 2023-U070234
WORK NO. : 2022-009461
ANALYSIS NO. : T23AP764-0004 - T23AP764-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:45 HOUR 1/ T23AP764-0004	2 13:40 HOUR 1/ T23AP764-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H* B)	6.9 (31°C)	7.5 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	251	32.6	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	584	20.4	≤ 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	446	410	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	26.0	< 0.1	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ² -F)	5.7	< 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	102	13.0	≤ 35	1.5



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 [REDACTED]
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : -
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : [REDACTED]
ANALYZED BY : [REDACTED]

RECEIVED DATE : AUGUST 30, 2023
ANALYTICAL DATE : AUGUST 30 - SEPTEMBER 5, 2023
REPORT NO. : 2023-U074145
WORK NO. : 2023-006950
ANALYSIS NO. : T23AQ889-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T23AQ889-0001		
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	12.8	≤ 20	2.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

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

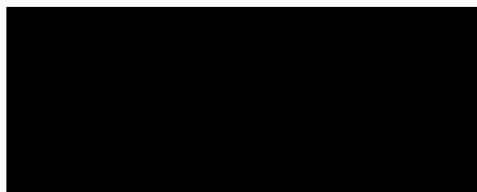
^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

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

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.



SEPTEMBER 6, 2023



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 13:45 HOUR 1/ T23AP764-0004	2 13:40 HOUR 1/ T23AP764-0005		
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	85	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/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.

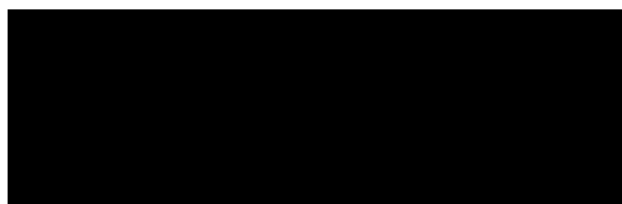
RESULT 1 : INFLUENT

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

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

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND.



AUGUST 28, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : [REDACTED]
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : SEPTEMBER 15, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : [REDACTED]
ANALYZED BY : [REDACTED]
RECEIVED DATE : SEPTEMBER 15, 2023
ANALYTICAL DATE : SEPTEMBER 15-25, 2023
REPORT NO. : 2023-U081436
WORK NO. : 2022-009461
ANALYSIS NO. : T23AS307-0003 - T23AS307-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:25 HOUR 1/ T23AS307-0003	2 15:20 HOUR 1/ T23AS307-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	7.0 (29°C)	7.7 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	230	11.0	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	257	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: PART 2540 C	355	344	500*	25
SETTLABLE SOLIDS °	ml/L	IMHOFF CONE (SM: PART 2540 F)	10.0	< 0.1	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ² -F)	5.6	< 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	82.8	24.0	≤ 35	1.5



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:25 HOUR 1/ T23AS307-0003	2 15:20 HOUR 1/ T23AS307-0004		
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	25	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	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

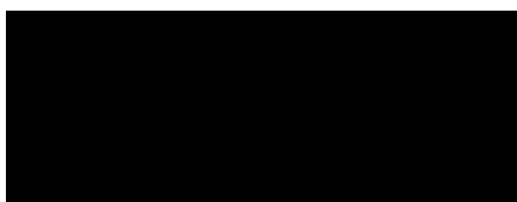
RESULT 2 : EFFLUENT

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 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.

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



SEPTEMBER 26, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : [REDACTED]
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : SEPTEMBER 15, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : [REDACTED]
ANALYZED BY : [REDACTED]

RECEIVED DATE : SEPTEMBER 15, 2023
ANALYTICAL DATE : SEPTEMBER 15-21, 2023
REPORT NO. : 2023-U081707
WORK NO. : 2023-006863
ANALYSIS NO. : T23AS308-0001 - T23AS308-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 15:25 HOUR 1/ T23AS308-0001	2 15:20 HOUR 1/ T23AS308-0002	
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1	0.1
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	28,000	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID	COLOURLESS/CLEAR	
SEDIMENT			BLACK	YELLOW	

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

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

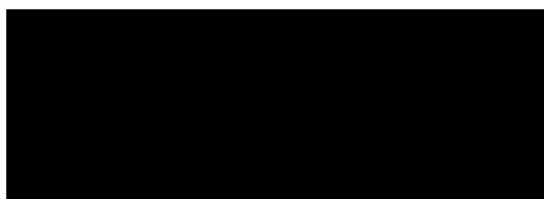
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

RESULT 1 : INFLUENT WATER

RESULT 2 : EFFLUENT WATER

ND : NON-DETECTABLE.



SEPTEMBER 26, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : OCTOBER 5, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB
SAMPLING BY ° :
ANALYZED BY :
RECEIVED DATE : OCTOBER 6, 2023
ANALYTICAL DATE : OCTOBER 6-17, 2023
REPORT NO. : 2023-U088137
WORK NO. : 2022-009461
ANALYSIS NO. : T23AT863-0005 - T23AT863-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:35 HOUR 1/ T23AT863-0005	2 15:30 HOUR 1/ T23AT863-0006		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H* B)	7.1 (29°C)	7.8 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	278	30.3	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	218	16.3	≤ 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	340	332	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	6.5	< 0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ² -F)	3.0	< 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	55.2	42.1	≤ 35	1.5



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:35 HOUR I/ T23AT863-0005	2 15:30 HOUR I/ T23AT863-0006		
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	16	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/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

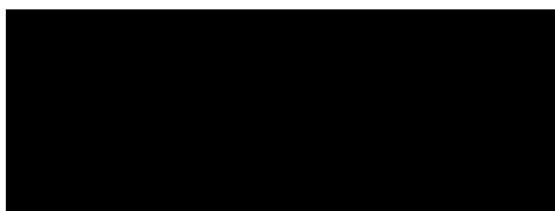
RESULT 2 : EFFLUENT

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 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.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND AND TOTAL KJELDAHL NITROGEN.



OCTOBER 19, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 25, 2023
SAMPLING TIME : 12:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : OCTOBER 26, 2023
ANALYTICAL DATE : OCTOBER 26 - NOVEMBER 1, 2023
REPORT NO. : 2023-U094221
WORK NO. : 2023-008530
ANALYSIS NO. : T23AV281-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT WATER T23AV281-0001		
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	68.6	≤ 20	2.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	27.8	≤ 35	1.5
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			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.

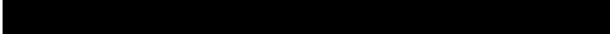

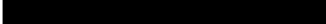
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

COMMENT : PARAMETER ANALYSED OF THE EFFLUENT IS COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND.

NOVEMBER 6, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : 
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : OCTOBER 5, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : 
ANALYZED BY : 
RECEIVED DATE : OCTOBER 6, 2023
ANALYTICAL DATE : OCTOBER 6-16, 2023
REPORT NO. : 2023-U088937
WORK NO. : 2023-006863
ANALYSIS NO. : T23AT865-0001 - T23AT865-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 15:35 HOUR 1/ T23AT865-0001	2 15:30 HOUR 1/ T23AT865-0002	
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	ND	0.1
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	>160,000	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR	
SEDIMENT			BLACK	WHITE	

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

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

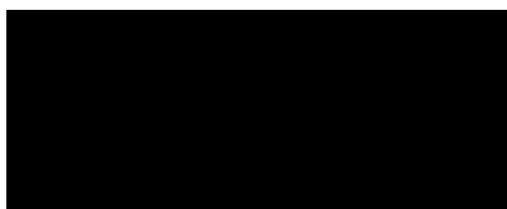
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

RESULT 1 : INFLUENT WATER

RESULT 2 : EFFLUENT WATER

ND : NON-DETECTABLE.



OCTOBER 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB
SAMPLING BY ° :
ANALYZED BY :
RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-21, 2023
REPORT NO. : 2023-U101327
WORK NO. : 2022-009461
ANALYSIS NO. : T23AW821-0003 - T23AW821-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:50 HOUR I/ T23AW821-0003	2 14:45 HOUR I/ T23AW821-0004		
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.4 (29°C)	7.8 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	952	8.5	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	404	11.7	≤ 30	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	757	189	500*	25
SETTLEABLE SOLIDS °	ml/L	IMHOFF CONE (SM: PART 2540 F)	12	0.2	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 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-Norg C	29.3	8.0	≤ 35	1.5



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:50 HOUR 1/ T23AW821-0003	2 14:45 HOUR 1/ T23AW821-0004		
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	65	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	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

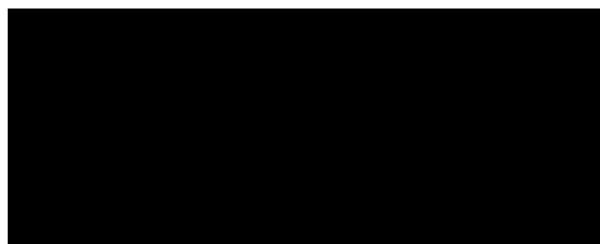
RESULT 2 : EFFLUENT

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 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.

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



NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° :
ANALYZED BY :
RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-22, 2023
REPORT NO. : 2023-U101784
WORK NO. : 2023-006863
ANALYSIS NO. : T23AW822-0001 - T23AW822-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 14:50 HOUR 1/ T23AW822-0001	2 14:45 HOUR 1/ T23AW822-0002	
RESIDUAL CHLORINE °	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1	0.1
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	>160,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR BROWN	

° : 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.

RESULT 1 : INFLUENT WATER

RESULT 2 : EFFLUENT WATER

ND : NON-DETECTABLE.

NOVEMBER 27, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : [REDACTED]
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 6, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : [REDACTED]
ANALYZED BY : [REDACTED]
RECEIVED DATE : DECEMBER 6, 2023
ANALYTICAL DATE : DECEMBER 6-14, 2023
REPORT NO. : 2023-U108305
WORK NO. : 2022-009461
ANALYSIS NO. : T23AY348-0004 - T23AY348-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:40 HOUR I/ T23AY348-0004	2 14:35 HOUR I/ T23AY348-0005		
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (30°C)	7.8 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	537	5.6	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	1,163	5.6	≤ 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	366	290	500*	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	52.0	< 0.1	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	3.6	< 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	109	11.0	≤ 35	1.5



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:40 HOUR 1/ T23AY348-0004	2 14:35 HOUR 1/ T23AY348-0005		
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	116	ND	≤ 20	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BLACK/TURBID BLACK	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

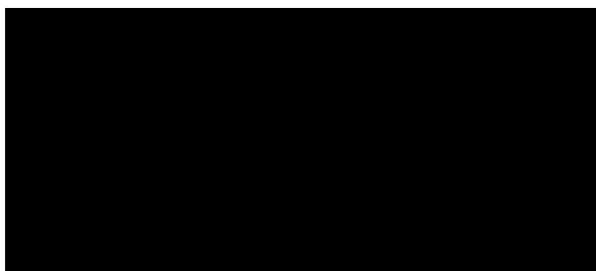
RESULT 2 : EFFLUENT

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 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.

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



DECEMBER 18, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 6, 2023
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 6, 2023
ANALYTICAL DATE : DECEMBER 6-12, 2023
REPORT NO. : 2023-U108142
WORK NO. : 2023-006863
ANALYSIS NO. : T23AY349-0001 - T23AY349-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		DETECTION LIMIT
			1 14:40 HOUR 1/ T23AY349-0001	2 14:35 HOUR 1/ T23AY349-0002	
RESIDUAL CHLORINE ^a	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1	0.1
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	54,000	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)

^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.

RESULT 1 : INFLUENT WATER

RESULT 2 : EFFLUENT WATER

ND : NON-DETECTABLE.

DECEMBER 15, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : ICE MACHINE MAIN KITCHEN
SAMPLE TYPE : ICE
SAMPLING DATE : JULY 10, 2023
SAMPLING TIME : 14:05 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a :
ANALYZED BY :
RECEIVED DATE : JULY 10, 2023
ANALYTICAL DATE : JULY 10-16, 2023
REPORT NO. : 2023-U061327
WORK NO. : 2022-009461
ANALYSIS NO. : T23AN193-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ICE T23AN193-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	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 : 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.

JULY 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : [REDACTED]
SAMPLING SOURCE : ICE MACHINE WXZ
SAMPLE TYPE : ICE
SAMPLING DATE : AUGUST 16, 2023
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : GRAB AND STERILE TECHNIQUE
SAMPLING BY : [REDACTED]
ANALYZED BY : [REDACTED]

RECEIVED DATE : AUGUST 16, 2023
ANALYTICAL DATE : AUGUST 16-20, 2023
REPORT NO. : 2023-U070233
WORK NO. : 2022-009461
ANALYSIS NO. : T23AP764-0001

ANALYZED BY			ANALYZED BY		
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ICE T23AP764-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	66	-	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			COLOURLESS/CLEAR		
SEDIMENT			-		

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

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

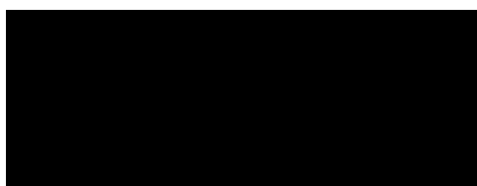
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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.



AUGUST 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : ICE MACHINE MAIN KITCHEN
SAMPLE TYPE : ICE
SAMPLING DATE : SEPTEMBER 15, 2023
SAMPLING TIME : 15:10 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c :
ANALYZED BY :
RECEIVED DATE : SEPTEMBER 15, 2023
ANALYTICAL DATE : SEPTEMBER 15-20, 2023
REPORT NO. : 2023-U081434
WORK NO. : 2022-009461
ANALYSIS NO. : T23AS307-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ICE T23AS307-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	9	-	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 : 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.

SEPTEMBER 26, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : XXXXXXXXXX
SAMPLING SOURCE : ICE MACHINE MAIN KITCHEN
SAMPLE TYPE : ICE
SAMPLING DATE : OCTOBER 5, 2023
SAMPLING TIME : 15:20 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : XXXXXXXXXX
ANALYZED BY : XXXXXXXXXX

RECEIVED DATE : OCTOBER 6, 2023
ANALYTICAL DATE : OCTOBER 6-9, 2023
REPORT NO. : 2023-U089104
WORK NO. : 2022-009461
ANALYSIS NO. : T23AT863-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ICE T23AT863-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	< 1	-	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			COLOURLESS/CLEAR		
SEDIMENT			-		

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

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

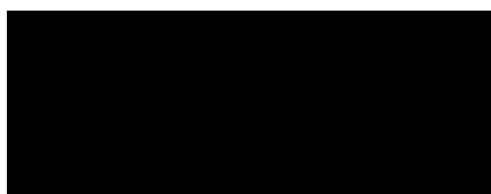
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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.



OCTOBER 19, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : ICE MACHINE MAIN KITCHEN
SAMPLE TYPE : ICE
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 14:30 HOUR
SAMPLING METHOD : GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-19, 2023
REPORT NO. : 2023-U101326
WORK NO. : 2022-009461
ANALYSIS NO. : T23AW821-0001

ANALYZED BY

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ICE T23AW821-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	10	-	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 : 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.

NOVEMBER 24, 2023



ANALYSIS REPORT

CUSTOMER NAME : ALOFT BANGKOK SUKHUMVIT 11
ADDRESS : 35 SUKHUMVIT SOI 11 (CHAIYOT), SUKHUMVIT ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION :
SAMPLING SOURCE : ICE MACHINE RE-FUEL
SAMPLE TYPE : ICE
SAMPLING DATE : DECEMBER 6, 2023
SAMPLING TIME : 14:25 HOUR
SAMPLING METHOD^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY^c :
ANALYZED BY :
RECEIVED DATE : DECEMBER 6, 2023
ANALYTICAL DATE : DECEMBER 6-10, 2023
REPORT NO. : 2023-U108303
WORK NO. : 2022-009461
ANALYSIS NO. : T23AY348-0001

ANALYZED BY			RESULT	REGULATORY STANDARD	DETECTION LIMIT
PARAMETER	UNIT	METHOD OF ANALYSIS	ICE T23AY348-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 2.2	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	-	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
HETERO PLATE COUNT ^b	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	1.2x10 ²	-	1
<i>Clostridium perfringens</i> ^c	/100 mL	ENVIRONMENT AGENCY, THE MICROBIOLOGY OF DRINKING WATER, 2010 PART 6	NOT DETECTED	1/	-
SAMPLE CONDITION			COLOURLESS/CLEAR		
WATER'S COLOUR/TURBID SEDIMENT					

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

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

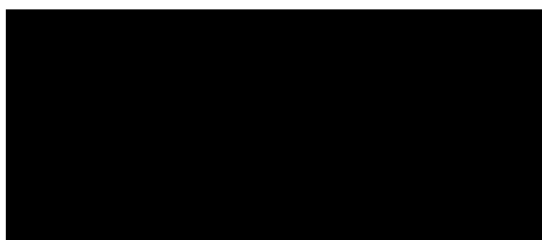
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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.



DECEMBER 18, 2023

