

ANALYSIS REPORT

CUSTOMER NAME	: IDEO MOBI SUKHUMVIT EASTGATE	RECEIVED DATE	: JANUARY 20, 2023
ADDRESS	: 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260	ANALYTICAL DATE	: JANUARY 20-26, 2023
CONTACT INFORMATION	: TEL : 095 503 0983 e-mail : mbse10260@gmail.com	REPORT NO.	: 2023-U007128
SAMPLING SOURCE	: IDEO MOBI SUKHUMVIT EASTGATE	WORK NO.	: 2022-009000
SAMPLE TYPE	: WASTEWATER	ANALYSIS NO.	: T23AB075-0001 - T23AB075-0002
SAMPLING DATE	: JANUARY 20, 2023		
SAMPLING TIME	: 1/		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR PEERAPAT BANYATSIN		
ANALYZED BY	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:20 HOUR 1/ T23AB075-0001	2 14:10 HOUR 1/ T23AB075-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.4 (32°C)	7.8 (26°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	91.6	ND	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	269	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	406	278	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	< 0.50	< 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	71.7	7.3	≤ 35	1.5
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	5	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:20 HOUR 1/ T23AB075-0001	2 14:10 HOUR 1/ T23AB075-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	>160,000	11,000	-	1.8
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
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JANUARY 20, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : JANUARY 20, 2023
ANALYTICAL DATE : JANUARY 20-26, 2023
REPORT NO. : 2023-U007129
WORK NO. : 2022-009000
ANALYSIS NO. : T23AB075-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AB075-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.1 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	33.5	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	38.2	≤ 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	436	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 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: 4500-Norg C	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำหึ่งก่อนออกนอกโครงการ T23AB075-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	35,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			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.

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.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : JANUARY 20, 2023
SAMPLING TIME : 14:30 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : JANUARY 20, 2023
ANALYTICAL DATE : JANUARY 20-24, 2023
REPORT NO. : 2023-U007130
WORK NO. : 2022-009000
ANALYSIS NO. : T23AB075-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AB075-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	276	25
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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 20, 2023
SAMPLING TIME : 14:45 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 20, 2023
ANALYTICAL DATE : JANUARY 20-24, 2023
REPORT NO. : 2023-U007131
WORK NO. : 2022-009000
ANALYSIS NO. : T23AB075-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AB075-0005		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 20, 2023
SAMPLING TIME : 14:45 HOUR
SAMPLING METHOD * : GRAB
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MR PITTAPAN LAEKOD

RECEIVED DATE : JANUARY 20, 2023
ANALYTICAL DATE : JANUARY 20-23, 2023
REPORT NO. : 2023-U007132
WORK NO. : 2022-009000
ANALYSIS NO. : T23AB075-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AB075-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT					

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMS^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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

Chaweewan B.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 20, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 20, 2023
ANALYTICAL DATE : JANUARY 20-24, 2023
REPORT NO. : 2023-U007133
WORK NO. : 2022-009000
ANALYSIS NO. : T23AB075-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AB075-0006		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 20, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD * : GRAB
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MR PITTAPAN LAEKOD

RECEIVED DATE : JANUARY 20, 2023
ANALYTICAL DATE : JANUARY 20-23, 2023
REPORT NO. : 2023-U007134
WORK NO. : 2022-009000
ANALYSIS NO. : T23AB075-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AB075-0006		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSO)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 6, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-16, 2023
REPORT NO. : 2023-U012950
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0001 - T23AC266-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:22 HOUR 1/ T23AC266-0001	2 15:25 HOUR 1/ T23AC266-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.5 (31°C)	7.7 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	39.6	3.6	≤ 20	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	66.6	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	408	304	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	< 0.50	< 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	57.1	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:22 HOUR 1/ T23AC266-0001	2 15:25 HOUR 1/ T23AC266-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	92,000	-	1.8
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
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN \geq 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 15:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-16, 2023
REPORT NO. : 2023-U012951
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			นำส่งก่อนออกนอกโครงการ T23AC266-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.8 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	11.1	≤ 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	292	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 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: 4500-Norg C	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AC266-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	4,900	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			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.

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
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 15:17 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-14, 2023
REPORT NO. : 2023-U012952
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AC266-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	243	25
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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 15:14 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-13, 2023
REPORT NO. : 2023-U012953
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AC266-0005		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 15:14 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS SALISA KAMWANNA

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-12, 2023
REPORT NO. : 2023-U012954
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AC266-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 15:10 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-13, 2023
REPORT NO. : 2023-U012955
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AC266-0006		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 095 503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : FEBRUARY 9, 2023
SAMPLING TIME : 15:10 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS SALISA KAMWANNA

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-12, 2023
REPORT NO. : 2023-U012956
WORK NO. : 2022-009000
ANALYSIS NO. : T23AC266-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AC266-0006		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMS)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 24, 2023



ANALYSIS REPORT

CUSTOMER NAME	: IDEO MOBI SUKHUMVIT EASTGATE	RECEIVED DATE	: MARCH 3, 2023
ADDRESS	: 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260	ANALYTICAL DATE	: MARCH 3-13, 2023
CONTACT INFORMATION	: TEL : 09 5503 0983 e-mail : mbse10260@gmail.com	REPORT NO.	: 2023-U018796
SAMPLING SOURCE	: IDEO MOBI SUKHUMVIT EASTGATE	WORK NO.	: 2022-009000
SAMPLE TYPE	: WASTEWATER	ANALYSIS NO.	: T23AD770-0001 - T23AD770-0002
SAMPLING DATE	: MARCH 3, 2023		
SAMPLING TIME	: 1/		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR PEERAPAT BANYATSIN		
ANALYZED BY	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:30 HOUR 1/ T23AD770-0001	2 14:25 HOUR 1/ T23AD770-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.9 (30°C)	7.8 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O G AND PART 5210 B)	51.4	ND	≤ 20	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	79.0	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	398	272	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	< 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	57.1	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1	2		
			14:30 HOUR 1/ T23AD770-0001	14:25 HOUR 1/ T23AD770-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	2,800	-	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

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
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 20, 2023

ANALYSIS REPORT

CUSTOMER NAME	: IDEO MOBI SUKHUMVIT EASTGATE	RECEIVED DATE	: MARCH 3, 2023
ADDRESS	: 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260	ANALYTICAL DATE	: MARCH 3-13, 2023
CONTACT INFORMATION	: TEL : 09 5503 0983 e-mail : mbse10260@gmail.com	REPORT NO.	: 2023-U018797
SAMPLING SOURCE	: IDEO MOBI SUKHUMVIT EASTGATE	WORK NO.	: 2022-009000
SAMPLE TYPE	: EFFLUENT	ANALYSIS NO.	: T23AD770-0003
SAMPLING DATE	: MARCH 3, 2023		
SAMPLING TIME	: 14:20 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR PEERAPAT BANYATSIN		
ANALYZED BY	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			นำหึ่งก่อนออกนอก โครงการ T23AD770-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.6 (24°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O ₂ G AND PART 5210 B)	ND	≤ 20	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	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	265	500*	25
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	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AD770-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	1,300	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			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.

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.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN \geq 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 20, 2023

ANALYSIS REPORT

CUSTOMER NAME	: IDEO MOBI SUKHUMVIT EASTGATE	RECEIVED DATE	: MARCH 3, 2023
ADDRESS	: 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260	ANALYTICAL DATE	: MARCH 3-10, 2023
CONTACT INFORMATION	: TEL : 09 5503 0983 e-mail : mbse10260@gmail.com	REPORT NO.	: 2023-U018798
SAMPLING SOURCE	: IDEO MOBI SUKHUMVIT EASTGATE	WORK NO.	: 2022-009000
SAMPLE TYPE	: WATER SUPPLY	ANALYSIS NO.	: T23AD770-0004
SAMPLING DATE	: MARCH 3, 2023		
SAMPLING TIME	: 14:10 HOUR		
SAMPLING METHOD ^c	: GRAB		
SAMPLING BY ^c	: MR PEERAPAT BANYATSIN		
ANALYZED BY	: MISS ARIYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AD770-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	214	25
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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 3, 2023
SAMPLING TIME : 14:05 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 3, 2023
ANALYTICAL DATE : MARCH 3-12, 2023
REPORT NO. : 2023-U018799
WORK NO. : 2022-009000
ANALYSIS NO. : T23AD770-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AD770-0005		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MARCH 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 3, 2023
SAMPLING TIME : 14:05 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : MARCH 3, 2023
ANALYTICAL DATE : MARCH 3-6, 2023
REPORT NO. : 2023-U018800
WORK NO. : 2022-009000
ANALYSIS NO. : T23AD770-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AD770-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 3, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 3, 2023
ANALYTICAL DATE : MARCH 3-12, 2023
REPORT NO. : 2023-U018801
WORK NO. : 2022-009000
ANALYSIS NO. : T23AD770-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AD770-0006		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	2.2	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	2.2	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 3, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : MARCH 3, 2023
ANALYTICAL DATE : MARCH 3-6, 2023
REPORT NO. : 2023-U018802
WORK NO. : 2022-009000
ANALYSIS NO. : T23AD770-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AD770-0006		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		-

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-24, 2023
REPORT NO. : 2023-U031404
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0001 - T23AG582-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:50 HOUR 1/ T23AG582-0001	2 14:55 HOUR 1/ T23AG582-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.5 (32°C)	7.7 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	34.9	2.2	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	28.2	5.0	≤ 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	348	264	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	< 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	73.8	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:50 HOUR 1/ T23AG582-0001	2 14:55 HOUR 1/ T23AG582-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	79	3,300	-	1.8
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.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 2, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-24, 2023
REPORT NO. : 2023-U031405
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AG582-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.7 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	4.4	≤ 20	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	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	342	500*	25
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	5.7	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AG582-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	330	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			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.

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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 2, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 14:45 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-20, 2023
REPORT NO. : 2023-U031406
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AG582-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	180	25
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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U031407
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG582-0005		
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	NOT DETECTED	1.1
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U031408
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG582-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 14:35 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U031409
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG582-0006		
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	< 1.1	NOT DETECTED	1.1
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : APRIL 11, 2023
SAMPLING TIME : 14:35 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR PEERAPAT BANYATSIN
ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U031410
WORK NO. : 2022-009000
ANALYSIS NO. : T23AG582-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG582-0006		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR ACHITA SAENGJAN
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-17, 2023
REPORT NO. : 2023-U037987
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0001 - T23AI119-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:25 HOUR 1/ T23AI119-0001	2 14:35 HOUR 1/ T23AI119-0002		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.6 (33°C)	7.5 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	37.6	4.3	≤ 20	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	28.7	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	372	338	500*	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	< 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	67.0	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 14:25 HOUR 1/ T23AI119-0001	2 14:35 HOUR 1/ T23AI119-0002		
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 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.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 23, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR ACHITA SAENGJAN
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-17, 2023
REPORT NO. : 2023-U037988
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AI119-0003		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.5 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	5.3	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	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: PART 2540 C	364	500*	25
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	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AI119-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	54,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			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.

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.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 23, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 14:20 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR ACHITA SAENGJAN
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-17, 2023
REPORT NO. : 2023-U037989
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AI119-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	194	25
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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 14:15 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR ACHITA SAENGJAN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-16, 2023
REPORT NO. : 2023-U037990
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AI119-0005		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

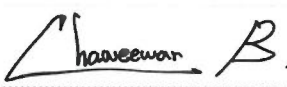
^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.


(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 14:15 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR ACHITA SAENGJAN
ANALYZED BY : MISS WIPHAPHORN SAENG SOPHA

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-11, 2023
REPORT NO. : 2023-U037991
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AI119-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMS^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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 14:10 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR ACHITA SAENGJAN
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-16, 2023
REPORT NO. : 2023-U037992
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AI119-0006		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 8, 2023
SAMPLING TIME : 14:10 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR ACHITA SAENGJAN
ANALYZED BY : MISS WIPHAPHORN SAENG SOPHA

RECEIVED DATE : MAY 8, 2023
ANALYTICAL DATE : MAY 8-11, 2023
REPORT NO. : 2023-U037993
WORK NO. : 2022-009000
ANALYSIS NO. : T23AI119-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AI119-0006		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSQ)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 1/
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-8, 2023
REPORT NO. : 2023-U046029
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0001 - T23AK121-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:05 HOUR 1/ T23AK121-0001	2 15:10 HOUR 1/ T23AK121-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H° B)	7.0 (32°C)	7.6 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	44.8	ND	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	63.3	10.1	≤ 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	342	241	500*	25
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S² 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	58.3	9.9	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 15:05 HOUR 1/ T23AK121-0001	2 15:10 HOUR 1/ T23AK121-0002		
MICROBIOLOGY						
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	92,000	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	GREY		

^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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JUNE 12, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 15:15 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-8, 2023
REPORT NO. : 2023-U046030
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AK121-0003		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.5 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	11.8	≤ 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: PART 2540 C	210	500*	25
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	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้งก่อนออกนอกโครงการ T23AK121-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			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.

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

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN \geq 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JUNE 12, 2023

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-8, 2023
REPORT NO. : 2023-U046031
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AK121-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	219	25
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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JUNE 12, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 14:55 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-7, 2023
REPORT NO. : 2023-U046032
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AK121-0005		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

JUNE 12, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 14:55 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-6, 2023
REPORT NO. : 2023-U046033
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AK121-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.



(MISS CHAWEewan BOONLA)
LABORATORY SUPERVISOR

JUNE 12, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 14:50 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-7, 2023
REPORT NO. : 2023-U046034
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AK121-0006		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	< 1.1	NOT DETECTED	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

< 1.1 : LESS THAN 1.1 MPN/100 mL MEANS NOT DETECTED.

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

JUNE 12, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 1, 2023
SAMPLING TIME : 14:50 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR YUTTHANAWIN MUENCHOB
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 1, 2023
ANALYTICAL DATE : JUNE 1-6, 2023
REPORT NO. : 2023-U046035
WORK NO. : 2022-009000
ANALYSIS NO. : T23AK121-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AK121-0006		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

: ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)
* : 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 : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

Chaweewan B.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 12, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 22, 2023
SAMPLING TIME : 09:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : JUNE 22, 2023
ANALYTICAL DATE : JUNE 22-28, 2023
REPORT NO. : 2023-U052709
WORK NO. : 2022-009000
ANALYSIS NO. : T23AL794-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AL794-0002		
TOTAL ALKALINITY	mg/L as CaCO ₃	TITRATION METHOD (SM: PART 2320 B)	37.0	80-100	-
CALCIUM HARDNESS	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 3500-Ca B)	130	250-600	4.0
CHLORIDE	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: PART 4500-Cl ⁻ B)	2,139	≤ 600	2.0
AMMONIA	mg/L NH ₃	PHENATE METHOD (SM: PART 4500-NH ₃ F)	ND	≤ 20	0.05
NITRATE	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	1.46	≤ 50	0.09
CYANURIC ACID	mg/L	TURBIDIMETRIC METHOD	61	30-60	1
COMBINED CHLORINE	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.5-1.0	0.1
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

ND : NON-DETECTABLE.

Siriphorn

(MISS SIRIPHAPORN MUANRAE)
LABORATORY SUPERVISOR

JUNE 29, 2023



ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT BANG NA TAI BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 09 5503 0983 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : IDEO MOBI SUKHUMVIT EASTGATE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 22, 2023
SAMPLING TIME : 09:05 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : JUNE 22, 2023
ANALYTICAL DATE : JUNE 22-28, 2023
REPORT NO. : 2023-U052708
WORK NO. : 2022-009000
ANALYSIS NO. : T23AL794-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AL794-0001		
TOTAL ALKALINITY	mg/L as CaCO ₃	TITRATION METHOD (SM: PART 2320 B)	33.6	80-100	-
CALCIUM HARDNESS	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 3500-Ca B)	129	250-600	4.0
CHLORIDE	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: PART 4500-Cl ⁻ B)	2,198	≤ 600	2.0
AMMONIA	mg/L NH ₃	PHENATE METHOD (SM: PART 4500-NH ₃ F)	ND	≤ 20	0.05
NITRATE	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	1.59	≤ 50	0.09
CYANURIC ACID	mg/L	TURBIDIMETRIC METHOD	62	30-60	1
COMBINED CHLORINE	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.5-1.0	0.1
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

ND : NON-DETECTABLE.

Siriphorn

(MISS SIRIPHAPORN MUANRAE)
LABORATORY SUPERVISOR

JUNE 29, 2023

