

ภาคผนวก ค

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

ผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง

ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JULY 20, 2021
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALAE

RECEIVED DATE : JULY 20, 2021
ANALYTICAL DATE : JULY 20-28, 2021
REPORT NO. : 2021-US3410
WORK NO. : 2020-004721
ANALYSIS NO. : T21AN372-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT จุดเก็บปนเปื้อน T21AN372-0001	
pH _h	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.6 (27°C)	-
BIOCHEMICAL OXYGEN DEMAND _h	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	78.6	2.0
SUSPENDED SOLIDS _G	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	76.8	5.0
TOTAL DISSOLVED SOLIDS _Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105°C); SM 2540 C	712	25
SETTLABLE SOLIDS _h	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	0.1
SULPHIDE _h	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	ND	0.50
TOTAL KJELDAHL NITROGEN _Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	88.4	1.5
FAT, OIL AND GREASE _G	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
MICROBIOLOGY				
COLIFORM BACTERIA _Y	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	

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

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

h : 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.

ND : NON-DETECTABLE.

Piyapat S.
 (MRS PIYAPAT SUTTAMANUTWONG)
 LABORATORY SUPERVISOR

NOVEMBER 11, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 4, 2021
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALAE

RECEIVED DATE : AUGUST 4, 2021
ANALYTICAL DATE : AUGUST 4-13, 2021
REPORT NO. : 2021-US8368
WORK NO. : 2020-004721
ANALYSIS NO. : T21AO257-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT จุดเก็บปนเปื้อน T21AO257-0001	
pH _G	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.8 (32°C)	-
BIOCHEMICAL OXYGEN DEMAND _h	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	72.9	2.0
SUSPENDED SOLIDS _G	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	36.8	5.0
TOTAL DISSOLVED SOLIDS _Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105°C); SM 2540 C	543	25
SETTLABLE SOLIDS _h	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	0.1
SULPHIDE _h	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	0.62	0.50
TOTAL KJELDAHL NITROGEN _Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	65.7	1.5
FAT, OIL AND GREASE _G	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
MICROBIOLOGY				
COLIFORM BACTERIA _Y	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	92,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID BLACK	

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

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

h : 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.

ND : NON-DETECTABLE.

Piyapat S.
 (MRS PIYAPAT SUTTAMANUTWONG)
 LABORATORY SUPERVISOR

NOVEMBER 11, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : SEPTEMBER 6, 2021
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : SEPTEMBER 6, 2021
ANALYTICAL DATE : SEPTEMBER 6-12, 2021
REPORT NO. : 2021-U66338
WORK NO. : 2020-004721
ANALYSIS NO. : T21AQ499-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT จากห้องปฏิบัติการ T21AQ499-0001	
pH G	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.7 (32°C)	-
BIOCHEMICAL OXYGEN DEMAND hu	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	140	2.0
SUSPENDED SOLIDS G	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	188	5.0
TOTAL DISSOLVED SOLIDS Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105°C); SM 2540 C	454	25
SETTLEABLE SOLIDS hu	mL/L	IMHOFF CONE (SM: 2540 F)	6.0	0.1
SULPHIDE hu	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	1.32	0.50
TOTAL KJELDAHL NITROGEN Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	87.2	1.5
FAT, OIL AND GREASE G	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
MICROBIOLOGY				
COLIFORM BACTERIA Y	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	22,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	

G : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
Y : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
hu : 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.
ND : NON-DETECTABLE.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 11, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : OCTOBER 5, 2021
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : OCTOBER 5, 2021
ANALYTICAL DATE : OCTOBER 5-12, 2021
REPORT NO. : 2021-U75013
WORK NO. : 2020-004721
ANALYSIS NO. : T21AS854-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT จากห้องปฏิบัติการ T21AS854-0001	
pH G	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.8 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND hu	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	82.2	2.0
SUSPENDED SOLIDS G	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	86.2	5.0
TOTAL DISSOLVED SOLIDS Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105°C); SM 2540 C	432	25
SETTLEABLE SOLIDS hu	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	0.1
SULPHIDE hu	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	2.37	0.50
TOTAL KJELDAHL NITROGEN Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	83.2	1.5
FAT, OIL AND GREASE G	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
MICROBIOLOGY				
COLIFORM BACTERIA Y	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	

G : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
Y : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
hu : 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.
ND : NON-DETECTABLE.

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 11, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : NOVEMBER 4, 2021
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALAE

RECEIVED DATE : NOVEMBER 4, 2021
ANALYTICAL DATE : NOVEMBER 4-11, 2021
REPORT NO. : 2021-U84248
WORK NO. : 2020-004721
ANALYSIS NO. : T21AV319-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT จุดเก็บปนเปื้อน T21AV319-0001	
pH G	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.4 (29°C)	-
BIOCHEMICAL OXYGEN DEMAND hu	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	122	2.0
SUSPENDED SOLIDS G	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	82.8	5.0
TOTAL DISSOLVED SOLIDS Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM 2540 C	365	25
SETTLABLE SOLIDS hu	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	0.1
SULPHIDE hu	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	4.24	0.50
TOTAL KJELDAHL NITROGEN Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	101	1.5
FAT, OIL AND GREASE G	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
MICROBIOLOGY				
COLIFORM BACTERIA Y	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	

G : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
Y : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
hu : 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.
ND : NON-DETECTABLE

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 12, 2022



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 9, 2021
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALAE

RECEIVED DATE : DECEMBER 9, 2021
ANALYTICAL DATE : DECEMBER 9-21, 2021
REPORT NO. : 2021-U96964
WORK NO. : 2020-004721
ANALYSIS NO. : T21AY150-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT จุดเก็บปนเปื้อน T21AY150-0001	
pH G	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.5 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND hu	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	87.9	2.0
SUSPENDED SOLIDS G	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	93.8	5.0
TOTAL DISSOLVED SOLIDS Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM 2540 C	496	25
SETTLABLE SOLIDS hu	mL/L	IMHOFF CONE (SM: 2540 F)	0.3	0.1
SULPHIDE hu	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	1.32	0.50
TOTAL KJELDAHL NITROGEN Y	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	105	1.5
FAT, OIL AND GREASE G	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
MICROBIOLOGY				
COLIFORM BACTERIA Y	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	

G : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
Y : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
hu : 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.
ND : NON-DETECTABLE

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JANUARY 12, 2022



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER

ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400

CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jit.com

SAMPLING SOURCE : AIA RATCHADA

SAMPLE TYPE : EFFLUENT

RECEIVED DATE : JULY 20, 2021

SAMPLING DATE : JULY 20, 2021

ANALYTICAL DATE : JULY 20-28, 2021

SAMPLING TIME : 10:05 HOUR

REPORT NO. : 2021-U53411

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

WORK NO. : 2020-004721

SAMPLING BY : MR. WEERAYUT MOKKAEW

ANALYSIS NO. : T21AN372-0002

ANALYZED BY : MISS AMONRAT PUTTALEE

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT จุดเก็บตัวอย่างน้ำ T21AN372-0002		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM 4500-H ⁺ B)	4.5 (33°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	9.4	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	25.7	≤ 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	1,026	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	ND	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	17.4	≤ 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
			EFFLUENT จุดเก็บพิภพน้ำใต้ T21AN372-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	8.2	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			BROWN/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.

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.



(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 2, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jit.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 4, 2021
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : AUGUST 4, 2021
ANALYTICAL DATE : AUGUST 4-13, 2021
REPORT NO. : 2021-U58369
WORK NO. : 2020-004721
ANALYSIS NO. : T21A0257-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT จุดส่งผลกระทบต่อ T21A0257-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM 4500-H ⁺ B)	6.6 (35°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	5.5	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	14.8	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105°C); SM 2540 C	870	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	ND	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	20.0	≤ 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
			EFFLUENT จุดส่งผลกระทบต่อ T21A0257-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	23	-	1.8
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.
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

AUGUST 17, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 6, 2021
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALAE

RECEIVED DATE : SEPTEMBER 6, 2021
ANALYTICAL DATE : SEPTEMBER 6-12, 2021
REPORT NO. : 2021-U66339
WORK NO. : 2020-004721
ANALYSIS NO. : T21AQ499-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT จุดส่งผลกระทบต่อ T21AQ499-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM 4500-H ⁺ B)	5.9 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	ND	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	14.3	≤ 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 2540 C	646	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM 2540 F)	0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	ND	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	11.3	≤ 35	15
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
			EFFLUENT จุดส่งผลกระทบต่อ T21AQ499-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	23	-	18
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.

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

SEPTEMBER 15, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 5, 2021
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : OCTOBER 5, 2021
ANALYTICAL DATE : OCTOBER 5-12, 2021
REPORT NO. : 2021-U75014
WORK NO. : 2020-004721
ANALYSIS NO. : T21AS854-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT จากโรงงาน T21AS854-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM.4500-H ⁺ B)	6.9 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM. 4500-O C AND 5210 B)	69.4	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM. 2540 D)	30.7	≤ 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	524	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM. 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM. 4500-S ²⁻ F)	ND	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM. 4500-Norg C	22.7	≤ 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
			EFFLUENT จุดสกัดน้ำใส T21AS854-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM. 9221B)	790	-	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.
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

OCTOBER 15, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 4, 2021
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR. WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : NOVEMBER 4, 2021
ANALYTICAL DATE : NOVEMBER 4-11, 2021
REPORT NO. : 2021-U84249
WORK NO. : 2020-004721
ANALYSIS NO. : T21AV319-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT จุดส่งผลกระทบต่อ T21AV319-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.1 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	26.0	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	14.9	≤ 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	434	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	ND	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	39.7	≤ 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
			EFFLUENT จุดส่งผลกระทบต่อ T21AV319-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	3,300	-	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.

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

NOVEMBER 15, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 9, 2021
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR. WEERAYUT MOKKAEW
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : DECEMBER 9, 2021
ANALYTICAL DATE : DECEMBER 9-21, 2021
REPORT NO. : 2021-U96965
WORK NO. : 2020-004721
ANALYSIS NO. : T21AY150-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT จุดปล่อยน้ำทิ้ง T21AY150-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.0 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)	316	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	31.1	≤ 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	550	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	0.4	≤ 0.5	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: 4500-S ₂ F)	ND	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	42.9	≤ 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
			EFFLUENT จุดปล่อยน้ำทิ้ง T21AY150-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	-	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.
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

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

DECEMBER 21, 2021



ภาคผนวก ค-2

ผลการติดตามตรวจสอบคุณภาพน้ำประปา

ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : JULY 20, 2021
SAMPLING TIME : 10:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : JULY 20, 2021
ANALYTICAL DATE : JULY 20-22, 2021
REPORT NO. : 2021-U53413
WORK NO. : 2020-004721
ANALYSIS NO. : T21AN372-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T21AN372-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	297	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

AUGUST 2, 2021



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : AUGUST 4, 2021
SAMPLING TIME : 10:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : AUGUST 4, 2021
ANALYTICAL DATE : AUGUST 4-9, 2021
REPORT NO. : 2021-U58371
WORK NO. : 2020-004721
ANALYSIS NO. : T21AO257-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T21AO257-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	218	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

AUGUST 17, 2021





United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Tel 0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com



TESTING
No.0063

ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : NOVEMBER 4, 2021
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : NOVEMBER 4, 2021
ANALYTICAL DATE : NOVEMBER 4-8, 2021
REPORT NO. : 2021-U84252
WORK NO. : 2020-004721
ANALYSIS NO. : T21AV319-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T21AV319-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	143	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)

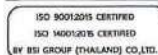
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 15, 2021



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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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



TESTING
No.0063

ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jll.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : OCTOBER 5, 2021
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : OCTOBER 5, 2021
ANALYTICAL DATE : OCTOBER 5-10, 2021
REPORT NO. : 2021-U75016
WORK NO. : 2020-004721
ANALYSIS NO. : T21AS854-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T21AS854-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	141	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)

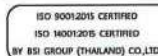
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

OCTOBER 15, 2021



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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

1/1



ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : SEPTEMBER 6, 2021
SAMPLING TIME : 11:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : SEPTEMBER 6, 2021
ANALYTICAL DATE : SEPTEMBER 6-8, 2021
REPORT NO. : 2021-U66341
WORK NO. : 2020-004721
ANALYSIS NO. : T21AQ499-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T21AQ499-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	247	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

SEPTEMBER 15, 2021

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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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ANALYSIS REPORT

CUSTOMER NAME : AIA CAPITAL CENTER
ADDRESS : 89 RATCHADAPISEK ROAD DIN DAENG DIN DAENG BANGKOK 10400
CONTACT INFORMATION : TEL : 0 2248 2244 e-mail : Teerawat.Dang@ap.jil.com
SAMPLING SOURCE : AIA RATCHADA
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : DECEMBER 9, 2021
SAMPLING TIME : 11:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : DECEMBER 9, 2021
ANALYTICAL DATE : DECEMBER 9-16, 2021
REPORT NO. : 2021-U96969
WORK NO. : 2020-004721
ANALYSIS NO. : T21AY150-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T21AY150-0004	
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	210	25
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.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

DECEMBER 21, 2021

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