

## ภาคผนวก ค

ผลการวิเคราะห์ทางห้องปฏิบัติการ

## ภาคผนวก ค-1

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ผลการวิเคราะห์คุณภาพน้ำจากระบบบำบัดน้ำเสีย

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JULY 4, 2025  
**SAMPLING TIME** : 14:55 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : JULY 4, 2025  
**ANALYTICAL DATE** : JULY 4-14, 2025  
**ISSUE DATE** : JULY 17, 2025  
**REPORT NO.** : 2025-U065098  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AO893-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ถึงปริมสภาพน้ำเสีย T25AO893-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.8 (28.9°C)	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	87.2	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	101	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	60.8	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	5	-	3
<b>MICROBIOLOGY</b>					
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1.8	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 4, 2025  
**SAMPLING TIME** : 14:10 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : JULY 4, 2025  
**ANALYTICAL DATE** : JULY 4-14, 2025  
**ISSUE DATE** : JULY 17, 2025  
**REPORT NO.** : 2025-U065103  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25A0893-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			น้ำ EFFLUENT T25A0893-0003			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.1 (31.3°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	7.5	≤ 30	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>c</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	330	-	1.8	-
FECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	240	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 4, 2025  
**SAMPLING TIME** : 14:15 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : JULY 4, 2025  
**ANALYTICAL DATE** : JULY 4-14, 2025  
**ISSUE DATE** : JULY 17, 2025  
**REPORT NO.** : 2025-U065101  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AO893-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ข้อพิพาทสุดท้ายก่อน ระบายนํ้าสู่ท่อ ระบายน้ำสาธารณะ T25AO893-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H* B AND 1060 B	6.8 (30.4°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	13.4	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	21.6	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	578	≤ 1,000	-	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2</sup> - F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ปลอดภัยสุดท้ายก่อน ระบายลงสู่ท่อ ระบายน้ำสาธารณะ T25A0893-0002			
MICROBIOLOGY						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	35,000	-	1.8	-
FECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	35,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 1, 2025  
**SAMPLING TIME** : 13:55 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : AUGUST 1, 2025  
**ANALYTICAL DATE** : AUGUST 1-6, 2025  
**ISSUE DATE** : AUGUST 13, 2025  
**REPORT NO.** : 2025-U072246  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AQ741-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ส่งปริมสภาพน้ำเสีย T25AQ741-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.6 (29.8°C)	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	124	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	39.8	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	36.6	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	-	3
<b>MICROBIOLOGY</b>					
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1.8	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 1, 2025  
**SAMPLING TIME** : 13:50 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : AUGUST 1, 2025  
**ANALYTICAL DATE** : AUGUST 1-6, 2025  
**ISSUE DATE** : AUGUST 13, 2025  
**REPORT NO.** : 2025-U072249  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AQ741-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1) EFFLUENT T25AQ741-0003			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.0 (31.2°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>b</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	8.2	≤ 30	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>c</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	7,900	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	7,900	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN			

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

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED

**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260

**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com

**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : AUGUST 1, 2025

**SAMPLING TIME** : 14:05 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : MR ACHITA SAENGJAN

**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : AUGUST 1, 2025

**ANALYTICAL DATE** : AUGUST 1-7, 2025

**ISSUE DATE** : SEPTEMBER 1, 2025

**REPORT NO.** : 2025-U078262

**WORK NO.** : 2022-009091

**ANALYSIS NO.** : T25AQ741-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลพิกัดสุดท้ายก่อน ระบายลงสู่ท่อ ระบายน้ำสาธารณะ T25AQ741-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	6.8 (30.7°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>aa</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	28.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	23.4	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	618	≤ 1,000	-	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>p</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	8.2	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ปล่อยพักสุดท้ายก่อนระบายลงสู่ท่อระบายน้ำสาธารณะ T25AQ741-0002			
MICROBIOLOGY						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	160,000	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

<sup>^</sup> : SAMPLING AT 15:30 HOUR ON AUGUST 21, 2025, ANALYSIS NO. T25AS290-0001 (ANALYTICAL DATE : AUGUST 21-27, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND.

SUBSTITUTED REPORT FOR REPORT NO. 2025-U072248, ISSUE DATE AUGUST 13, 2025.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : SEPTEMBER 5, 2025  
**SAMPLING TIME** : 14:20 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : SEPTEMBER 5, 2025  
**ANALYTICAL DATE** : SEPTEMBER 5-12, 2025  
**ISSUE DATE** : SEPTEMBER 17, 2025  
**REPORT NO.** : 2025-U083697  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AT703-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ถังปรับสภาพน้ำเสีย T25AT703-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.0 (31.1°C)	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	63.0	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	41.1	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> -F)	< 0.50	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	50.0	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	-	3
<b>MICROBIOLOGY</b>					
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1.8	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 5, 2025  
**SAMPLING TIME** : 14:15 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : SEPTEMBER 5, 2025  
**ANALYTICAL DATE** : SEPTEMBER 5-12, 2025  
**ISSUE DATE** : SEPTEMBER 17, 2025  
**REPORT NO.** : 2025-U083699  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AT703-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			๖๖ EFFLUENT T25AT703-0003			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.6 (29.2°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	6.0	≤ 30	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>c</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	490	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	490	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN			

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

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: AIA COMPANY LIMITED	<b>RECEIVED DATE</b>	: SEPTEMBER 5, 2025
<b>ADDRESS</b>	: 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260	<b>ANALYTICAL DATE</b>	: SEPTEMBER 5-12, 2025
<b>CONTACT INFORMATION</b>	: TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com	<b>ISSUE DATE</b>	: OCTOBER 7, 2025
<b>SAMPLING SOURCE</b>	: AIA EAST GATEWAY BANGNA-TRAD	<b>REPORT NO.</b>	: 2025-U091018
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>WORK NO.</b>	: 2022-009091
<b>SAMPLING DATE</b>	: SEPTEMBER 5, 2025	<b>ANALYSIS NO.</b>	: T25AT703-0002
<b>SAMPLING TIME</b>	: 14:40 HOUR		
<b>SAMPLING METHOD</b>	: GRAB, GRAB AND STERILE TECHNIQUE		
<b>SAMPLING BY</b>	: MR RONNAYUT PRATHUMKET		
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			บอพักสุดท้ายก่อน ระบายนลงสู่ท่อ ระบายน้ำสาธารณะ T25AT703-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.0 (30.4°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a,b</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	37.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	13.7	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	319	≤ 1,000	-	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	15.5	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลพักสุดท้ายก่อน ระบายลงสู่ท่อ ระบายน้ำสาธารณะ T25AT703-0002			
MICROBIOLOGY						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	35,000	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	17,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

<sup>^</sup> : SAMPLING AT 15:20 HOUR ON SEPTEMBER 25, 2025, ANALYSIS NO. T25AV600-0001 (ANALYTICAL DATE : SEPTEMBER 25-30, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND.

SUBSTITUTED REPORT FOR REPORT NO. 2025-U083698, ISSUE DATE SEPTEMBER 17, 2025.

[Redacted Signature]

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : OCTOBER 2, 2025  
**SAMPLING TIME** : 13:30 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : OCTOBER 2, 2025  
**ANALYTICAL DATE** : OCTOBER 2-8, 2025  
**ISSUE DATE** : OCTOBER 14, 2025  
**REPORT NO.** : 2025-U092787  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AW216-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ทั้งปริมณฑลน้ำเสีย T25AW216-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.6 (29.1°C)	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	70.2	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	27.7	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	69.7	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	-	3
<b>MICROBIOLOGY</b>					
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1.8	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 2, 2025  
**SAMPLING TIME** : 13:35 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : OCTOBER 2, 2025  
**ANALYTICAL DATE** : OCTOBER 2-8, 2025  
**ISSUE DATE** : OCTOBER 14, 2025  
**REPORT NO.** : 2025-U092789  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AW216-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1a EFFLUENT T25AW216-0003			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.0 (30.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	8.7	≤ 30	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	13,000	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	13,000	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 2, 2025  
**SAMPLING TIME** : 14:00 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR RONNAYUT PRATHUMKET  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : OCTOBER 2, 2025  
**ANALYTICAL DATE** : OCTOBER 2-8, 2025  
**ISSUE DATE** : OCTOBER 14, 2025  
**REPORT NO.** : 2025-U092788  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AW216-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ก่อนพักสุดท้ายก่อน ระบายน้ำสู่ท่อ ระบายน้ำสาธารณะ T25AW216-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H* B AND 1060 B	5.7 (30.7°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	39.6	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	29.2	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	313	≤ 1,000	-	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2</sup> - F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	12.0	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	92,000	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	22,000	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : NOVEMBER 7, 2025  
**SAMPLING TIME** : 13:35 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : NOVEMBER 7, 2025  
**ANALYTICAL DATE** : NOVEMBER 7-14, 2025  
**ISSUE DATE** : NOVEMBER 19, 2025  
**REPORT NO.** : 2025-U104625  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AZ157-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ถังปรับสภาพน้ำเสีย T25AZ157-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.3 (28.3°C)	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	65.4	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	59.0	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	83.1	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	5	-	3
<b>MICROBIOLOGY</b>					
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1.8	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 7, 2025  
**SAMPLING TIME** : 13:30 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : NOVEMBER 7, 2025  
**ANALYTICAL DATE** : NOVEMBER 7-14, 2025  
**ISSUE DATE** : NOVEMBER 19, 2025  
**REPORT NO.** : 2025-U104627  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AZ157-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จาก EFFLUENT T25AZ157-0003			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.3 (30.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>b</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	8.5	≤ 30	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>c</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	240	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	79	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID						
SEDIMENT			YELLOW/CLEAR BROWN			

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

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 7, 2025  
**SAMPLING TIME** : 13:45 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : NOVEMBER 7, 2025  
**ANALYTICAL DATE** : NOVEMBER 7-14, 2025  
**ISSUE DATE** : NOVEMBER 19, 2025  
**REPORT NO.** : 2025-U104626  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AZ157-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลพิกัดสุดท้ายก่อน ระบายน้ำสาธารณะ T25AZ157-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H* B AND 1060 B	6.3 (30.3°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	54.9	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	39.6	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	448	≤ 1,000	-	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2</sup> - F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	14.8	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 15:05 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-12, 2025  
**ISSUE DATE** : DECEMBER 17, 2025  
**REPORT NO.** : 2025-U113857  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB477-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ถังปรับสภาพน้ำเสียบ T25BB477-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.2 (28.5°C)	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	78.2	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	913	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	76.9	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	4	-	3
<b>MICROBIOLOGY</b>					
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1.8	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 15:00 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-12, 2025  
**ISSUE DATE** : DECEMBER 17, 2025  
**REPORT NO.** : 2025-U113859  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB477-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			น้ำ EFFLUENT T25BB477-0003			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.3 (31.2°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	5.9	≤ 30	-	5.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>c</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 15:15 HOUR  
**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-12, 2025  
**ISSUE DATE** : DECEMBER 17, 2025  
**REPORT NO.** : 2025-U113858  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB477-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลพักสุดท้ายก่อน ระบายลงสู่ท่อ ระบายน้ำสาธารณะ T25BB477-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	7.5 (30.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	85.8	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	34.9	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	508	≤ 1,000	-	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	21.1	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
<b>MICROBIOLOGY</b>						
TOTAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	-	1.8	-
FAECAL COLIFORMS <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN			

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

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 141, PART 233 D, DATED AUGUST 27, 2024.



(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



## ภาคผนวก ค-2

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ผลการวิเคราะห์คุณภาพน้ำใช้



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : SEPTEMBER 1, 2025  
**SAMPLING TIME** : 14:15 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS CHATTRAPORN RATCHANET  
**RECEIVED DATE** : SEPTEMBER 1, 2025  
**ANALYTICAL DATE** : SEPTEMBER 1-5, 2025  
**ISSUE DATE** : SEPTEMBER 9, 2025  
**REPORT NO.** : 2025-U080750  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25AT166-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			ทั้งเก็บน้ำใช้ใต้ดิน T25AT166-0001		
ODOUR <sup>c</sup>	-	OBSERVATION METHOD	NONE	NONE	-
APPARENT COLOUR <sup>c</sup>	Pt-Co	VISUAL COMPARISON METHOD (SM: PART 2120 B)	< 5	≤ 15	5
MICROBIOLOGY					
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			BROWN		

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

REGULATORY STANDARD : CRITERIA OF WATER SUPPLY QUALITY, NOTIFICATION OF THE METROPOLITAN WATERWORKS AUTHORITY, B.E. 2565 (2022).

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:50 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO  
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-11, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118195  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			ถังเก็บน้ำใช้ใต้ดิน T25BB478-0007		
ODOUR <sup>c</sup>	-	OBSERVATION METHOD	NONE	NONE	-
APPARENT COLOUR <sup>c</sup>	Pt-Co	VISUAL COMPARISON METHOD (SM: PART 2120 B)	< 5	≤ 15	5
<b>MICROBIOLOGY</b>					
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

REGULATORY STANDARD : CRITERIA OF WATER SUPPLY QUALITY, NOTIFICATION OF THE METROPOLITAN WATERWORKS AUTHORITY, B.E. 2565 (2022).



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ภาคผนวก ค-3

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ผลการวิเคราะห์คุณภาพน้ำหอฝิ่งเย็น



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:30 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI

**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-11, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118163  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดที่น้ำไหลเข้ามาเดิม ในระบบ ชั้น 5 T25BB478-0001	
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H <sup>+</sup> B AND 1060 B	7.8 (30.6°C)	-
FREE CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
TOTAL BACTERIA	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	1.9x10 <sup>5</sup>	1
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:35 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI

**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-11, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118180  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ในอ่างรองรับน้ำ ชั้น 5 T25BB478-0002	
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H <sup>+</sup> B AND 1060 B	8.8 (29.7°C)	-
FREE CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
TOTAL BACTERIA	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	2.4x10 <sup>3</sup>	1
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			WHITE	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jil.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:40 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI

**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-11, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118181  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			หอน้ำหลังจาก หล่อเลี้ยง ชั้น 5 T25BB478-0003	
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H <sup>+</sup> B AND 1060 B	9.0 (34.0°C)	-
FREE CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
TOTAL BACTERIA	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	5.2x10 <sup>3</sup>	1
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR WHITE	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:05 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI

**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-11, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118182  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดที่น้ำไหลเข้ามาเดิม ในระบบ คัดฟ้า T25BB478-0004	
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H <sup>+</sup> B AND 1060 B	7.1 (33.6°C)	-
FREE CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
TOTAL BACTERIA	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	2.2x10 <sup>5</sup>	1
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: AIA COMPANY LIMITED	<b>RECEIVED DATE</b>	: DECEMBER 4, 2025
<b>ADDRESS</b>	: 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260	<b>ANALYTICAL DATE</b>	: DECEMBER 4-11, 2025
<b>CONTACT INFORMATION</b>	: TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com	<b>ISSUE DATE</b>	: DECEMBER 26, 2025
<b>SAMPLING SOURCE</b>	: AIA EAST GATEWAY BANGNA-TRAD	<b>REPORT NO.</b>	: 2025-U118187
<b>SAMPLE TYPE</b>	: COOLING WATER	<b>WORK NO.</b>	: 2022-009091
<b>SAMPLING DATE</b>	: DECEMBER 4, 2025	<b>ANALYSIS NO.</b>	: T25BB478-0005
<b>SAMPLING TIME</b>	: 14:10 HOUR		
<b>SAMPLING METHOD</b>	: GRAB AND STERILE TECHNIQUE		
<b>SAMPLING BY</b>	: MR KRIDSANAPONG NAMTHIP		
<b>ANALYZED BY</b>	: MISS BUSSAKORN MAJAI		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ในอ่างรองรับน้ำ คัดฟ้า T25BB478-0005	
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H <sup>+</sup> B AND 1060 B	8.3 (25.5°C)	-
FREE CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
TOTAL BACTERIA	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	6.5x10 <sup>5</sup>	1
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			WHITE	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER **RECEIVED DATE** : DECEMBER 4, 2025  
**SAMPLING DATE** : DECEMBER 4, 2025 **ANALYTICAL DATE** : DECEMBER 4-11, 2025  
**SAMPLING TIME** : 14:13 HOUR **ISSUE DATE** : DECEMBER 26, 2025  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2025-U118189  
**SAMPLING BY** : MR KRIDSANAPONG NAMTHIP **WORK NO.** : 2022-009091  
**ANALYZED BY** : MISS BUSSAKORN MAJAI **ANALYSIS NO.** : T25BB478-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			หอน้ำทิ้งจากหอผึ่งเป็น ดาดฟ้า T25BB478-0006	
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H* B AND 1060 B	8.6 (25.6°C)	-
FREE CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
TOTAL BACTERIA	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	5.2x10 <sup>5</sup>	1
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR WHITE	

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.



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LABORATORY SUPERVISOR





## ANALYSIS REPORT

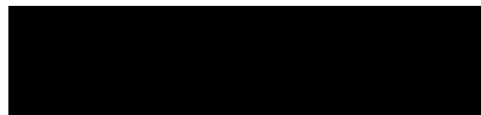
**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:30 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI  
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-17, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118190  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			จุดที่นำไหลเข้ามาเดิม ในระบบ ชั้น 5 T25BB478-0001		
MICROBIOLOGY					
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	NOT DETECTED	100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: AIA COMPANY LIMITED	<b>RECEIVED DATE</b>	: DECEMBER 4, 2025
<b>ADDRESS</b>	: 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260	<b>ANALYTICAL DATE</b>	: DECEMBER 4-17, 2025
<b>CONTACT INFORMATION</b>	: TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com	<b>ISSUE DATE</b>	: DECEMBER 26, 2025
<b>SAMPLING SOURCE</b>	: AIA EAST GATEWAY BANGNA-TRAD	<b>REPORT NO.</b>	: 2025-U118191
<b>SAMPLE TYPE</b>	: COOLING WATER	<b>WORK NO.</b>	: 2022-009091
<b>SAMPLING DATE</b>	: DECEMBER 4, 2025	<b>ANALYSIS NO.</b>	: T25BB478-0002
<b>SAMPLING TIME</b>	: 14:35 HOUR		
<b>SAMPLING METHOD *</b>	: GRAB AND STERILE TECHNIQUE		
<b>SAMPLING BY *</b>	: MR KRIDSANAPONG NAMTHIP		
<b>ANALYZED BY</b>	: MISS BUSSAKORN MAJAI		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ในอ่างรองรับน้ำ ชั้น 5 T25BB478-0002		
MICROBIOLOGY					
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	NOT DETECTED	100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			WHITE		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:40 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI

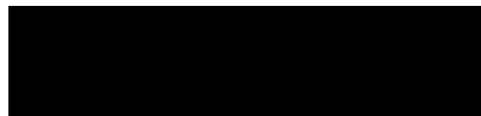
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-17, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118192  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			หอน้ำทิ้งจากหอผึ่งเย็น ชั้น 5 T25BB478-0003		
MICROBIOLOGY					
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	NOT DETECTED	100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			WHITE		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: AIA COMPANY LIMITED	<b>RECEIVED DATE</b>	: DECEMBER 4, 2025
<b>ADDRESS</b>	: 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260	<b>ANALYTICAL DATE</b>	: DECEMBER 4-17, 2025
<b>CONTACT INFORMATION</b>	: TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com	<b>ISSUE DATE</b>	: DECEMBER 26, 2025
<b>SAMPLING SOURCE</b>	: AIA EAST GATEWAY BANGNA-TRAD	<b>REPORT NO.</b>	: 2025-U118338
<b>SAMPLE TYPE</b>	: COOLING WATER	<b>WORK NO.</b>	: 2022-009091
<b>SAMPLING DATE</b>	: DECEMBER 4, 2025	<b>ANALYSIS NO.</b>	: T25BB478-0004
<b>SAMPLING TIME</b>	: 14:05 HOUR		
<b>SAMPLING METHOD *</b>	: GRAB AND STERILE TECHNIQUE		
<b>SAMPLING BY *</b>	: MR KRIDSANAPONG NAMTHIP		
<b>ANALYZED BY</b>	: MISS BUSSAKORN MAJAI		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			จุดที่น้ำไหลเข้ามาเติมในระบบ คัดฟ้า T25BB478-0004		
MICROBIOLOGY					
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	NOT DETECTED	100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:10 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI

**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-17, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118193  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ในอ่างรองรับน้ำ ดาดฟ้า T25BB478-0005		
MICROBIOLOGY					
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	NOT DETECTED	100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			WHITE		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**CUSTOMER NAME** : AIA COMPANY LIMITED  
**ADDRESS** : 989 DEBARATANA ROAD BANG NA NUEA BANG NA BANGKOK 10260  
**CONTACT INFORMATION** : TEL : 08 1822 3691 e-mail : nirut.noodsombat@ap.jll.com  
**SAMPLING SOURCE** : AIA EAST GATEWAY BANGNA-TRAD  
**SAMPLE TYPE** : COOLING WATER  
**SAMPLING DATE** : DECEMBER 4, 2025  
**SAMPLING TIME** : 14:13 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : MR KRIDSANAPONG NAMTHIP  
**ANALYZED BY** : MISS BUSSAKORN MAJAI  
**RECEIVED DATE** : DECEMBER 4, 2025  
**ANALYTICAL DATE** : DECEMBER 4-17, 2025  
**ISSUE DATE** : DECEMBER 26, 2025  
**REPORT NO.** : 2025-U118194  
**WORK NO.** : 2022-009091  
**ANALYSIS NO.** : T25BB478-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			หอน้ำทิ้งจาก หอฝังเป็น ดาดฟ้า T25BB478-0006		
MICROBIOLOGY					
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	NOT DETECTED	100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			WHITE		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR