

## บทที่ 3

### ผลการติดตามตรวจสอบคุณภาพ สิ่งแวดล้อม

ที่อยู่เจ้าของโครงการ นิตินุคผลอาคารชุดแอสปายอุดรธานี  
669 หมู่ 2 ซ.บ้านโพธิ์สว่าง ถ.โพศรี ต.หมากแข้ง อ.เมือง จ.อุดรธานี 41000  
วันที่เก็บตัวอย่าง กรกฎาคม 2568 ถึง ธันวาคม 2568 (ความถี่ 1 ครั้ง /เดือน)

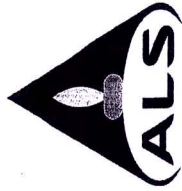
สถานที่เก็บตัวอย่าง

1. จุดระบายน้ำออกจากระบบ
2. บ่อพักน้ำสุดท้ายก่อนระบายออกท่อสาธารณะ

นิตินุคผลแอสปายอุดรธานี

ตำแหน่งที่วัด	พารามิเตอร์ที่วัด						Total dissolved solids
	pH	BOD (mg/L)	Total Suspended Solids (mg/L)	Oil & Grease (mg/L)	TKN (mg/L)	Sulfide (mg/L)	
1. น้ำเสียหลังจากบำบัด ก.ค 68	7.7	22.3	18	5	60.6	0.5	264
2. น้ำเสียหลังจากบำบัด ส.ค 68	7.4	19.0	12	3	41.8	0.5	352
3. น้ำเสียหลังจากบำบัด ก.ย 68	8	16.6	37	3	57.0	0.5	304
4. น้ำเสียหลังจากบำบัด ต.ค 68	7.7	8.8	20	3	53.5	0.6	328
5. น้ำเสียหลังจากบำบัด พ.ย 68	7.6	15.7	20	3	55.9	0.8	256
6. น้ำเสียหลังจากบำบัด ธ.ค 68	7.4	6.4	12	3	26.1	0.5	268
ค่ามาตรฐาน ***	5.5-9	≤ 30	≤ 40	≤ 20	≤ 35	≤ 1.0	≤ 1000

หมายเหตุ: \*\*\* ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม เรื่อง กำหนดมาตรฐานควบคุม การระบายน้ำทิ้งจาก อาคารบางประเภทและบางขนาด ลงวันที่ 7 พฤศจิกายน 2548 ประกาศในราชกิจจานุเบกษา เล่มที่ 122 ตอนที่ 12 ลง วันที่ 29 ธันวาคม 2548



## Analysis Report NN2500008



TESTING  
No.0009 7/64

Client : Juristic Person Condo Aspire Udonthani

669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani, Udon Thani,  
Thailand, 41000

P/O : ---

Project : ---

Project Location: Juristic Person Condo Aspire Udonthani

Work Order : NN2500008  
Report Number : NN2500008-AA  
Date Received : Jul 02, 2025  
Date Reported : Jul 08, 2025  
Date Analysis Commenced : Jul 03, 2025  
No. of samples received : 1  
Temperature : 3.2 °C  
Sampled by : Anukun Wilasang

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

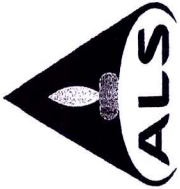
Signatories

Siriluk P.

Siriluk Bunnak  
Section Head

ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Kluwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



# Analysis Report NN2500008

Report Number : NN2500008-AA



TESTING  
No.0009

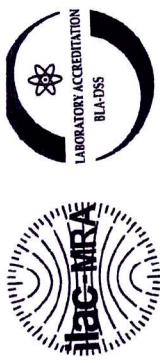
Sample Receipt and Conditions			
Sample ID	Sample Name	Sample Description	GPS
NN2500008-001	น้ำเสีย		
		Conditions	
		1x Plastic bottle - Preserved with H2SO4, 1x 500mL Plastic Bottle,	
		1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc	
		Acetate and NaOH, 1x 1L Oil & Grease, refrigerated	

## Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D





**ALS** Analysis Report NN2500008

Report Number : NN2500008-AA

TESTING  
No.0009

Sub-Matrix: WASTEWATER  
(Matrix: WATER)

Client Sample ID

Sub-Matrix: WASTEWATER									
(Matrix: WATER)									
Client Sample ID									
Sampling Date									
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	
						MNRE 2567 Type B			
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L		≤30	22.3	
EN0048	Bangkok	Oil & Grease		3	mg/L		≤20	5	
EN0021	Bangkok	pH at 25°C		1.0	pH Unit		5.5-9	7.7	
EN0032	Bangkok	Sulfides		0.5	mg/L		≤1	<0.5 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L		≤35	60.6	
Physical and Aggregate Properties									
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L		≤1000	264	
EN0102	Bangkok	Total Suspended Solids		5	mg/L		≤40	18	

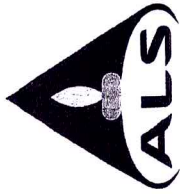
Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

- Key:
- LOD : Limit of Detection
  - "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
  - Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



## Analysis Report NN2500009



TESTING  
No.0009 8/1 68

Client : Juristic Person Condo Aspire Udonthani  
669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani, Udon Thani,  
Thailand, 41000  
P/O : ---  
Project : ---  
Project Location: Juristic Person Condo Aspire Udonthani

Work Order : NN2500009  
Report Number : NN2500009-AA  
Date Received : Aug 02, 2025  
Date Reported : Aug 08, 2025  
Date Analysis Commenced : Aug 02, 2025  
No. of samples received : 1  
Temperature : 2.9 °C  
Sampled by : Anukun Wilasang

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

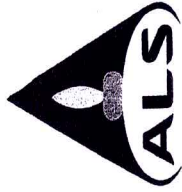
Signatories

Siriluk P.

Siriluk Bunnak  
Section Head

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104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khel Suan Luang, Bangkok 10250 Thailand T +662 760 3000



# Analysis Report NN2500009

Report Number : NN2500009-AA



TESTING  
No.0009

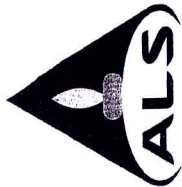
Sample Receipt and Conditions			
Sample ID	Sample Name	Sample Description	GPS
NN2500009-001	น้ำดื่ม		
			Conditions 1x Plastic bottle - Preserved with H2SO4, 1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease

## Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D



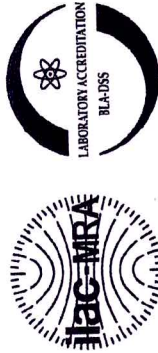


# Analysis Report NN2500009

Report Number : NN2500009-AA

Sub-Matrix: WASTEWATER

(Matrix: WATER)



TESTING  
No.0009

Sub-Matrix: WASTEWATER (Matrix: WATER)										Client Sample ID		Sampling Date	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result					
						MNRE 2567	Type B						
Chemical Parameters													
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L		≤30		16.6				
EN0048	Bangkok	Oil & Grease		3	mg/L		≤20		<3				
EN0021	Bangkok	pH at 25°C		1.0	pH Unit		5.5-9		8.0				
EN0032	Bangkok	Sulfides		0.5	mg/L		≤1		<0.5 *				
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L		≤35		57.0				
Physical and Aggregate Properties													
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L		≤1000		304				
EN0102	Bangkok	Total Suspended Solids		5	mg/L		≤40		37				

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

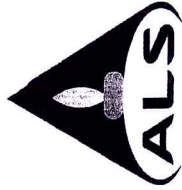
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

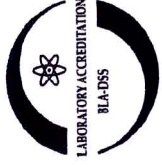
- Key:
- LOD : Limit of Detection
  - "L": Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
  - Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----





## Analysis Report NN2500010



TESTING  
No.0009 9/16

Client : Juristic Person Condo Aspire Udonthani

669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani, Udon Thani,  
Thailand, 41000

P/O : ---

Project : ---

Project Location: Juristic Person Condo Aspire Udonthani

Work Order : NN2500010  
Report Number : NN2500010-AA  
Date Received : Sep 02, 2025  
Date Reported : Sep 09, 2025  
Date Analysis Commenced : Sep 02, 2025  
No. of samples received : 1  
Temperature : 3.2 °C  
Sampled by : Phakanan Khamjantararat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

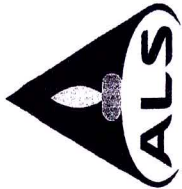
Signatories

Siriluk P.

Siriluk Burnak  
Section Head

ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



# Analysis Report NN25000010

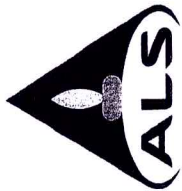
Report Number : NN2500010-AA



TESTING  
No.0009

Sample Receipt and Conditions			
Sample ID	Sample Name	Sample Description	Conditions
NN2500010-001	น้ำจืด		1x Plastic bottle - Preserved with H <sub>2</sub> SO <sub>4</sub> , 1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease

Brief Method Summaries	
The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.	
Method	Method Descriptions
EN0021	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (D)
EN0044	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D



# Analysis Report NN2500010

Report Number : NN2500010-AA



TESTING  
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)										Client Sample ID		Sampling Date		Guideline		Unit		LOQ		LOD		Analytes		Testing Lab		Method			
										tjait'naan		Sep 01, 2025 02:10 PM		NN2500010-001		Result													
Chemical Parameters																													
EN0044		Bangkok		BOD (5 days at 20°C)				2.0		mg/L		≤30				8.8													
EN0048		Bangkok		Oil & Grease				3		mg/L		≤20				<3													
EN0021		Bangkok		pH at 25°C				1.0		pH Unit		5.5-9				7.7													
EN0032		Bangkok		Sulfides				0.5		mg/L		≤1				0.6 *													
EN0035		Bangkok		Total Kjeldahl Nitrogen as N				1.0		mg/L		≤35				53.5													
Physical and Aggregate Properties																													
EN0100		Bangkok		Total Dissolved Solids at 180°C				5		mg/L		≤1000				328													
EN0102		Bangkok		Total Suspended Solids				5		mg/L		≤40				20													

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

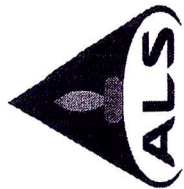
Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

- LOD : Limit of Detection
- "L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----





## Analysis Report NN2500011



TESTING  
No.0009 10/64

Client : Juristic Person Condo Aspire Udonthani  
669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani, Udon Thani,  
Thailand, 41000  
P/O : ---  
Project : ---  
Project Location: Juristic Person Condo Aspire Udonthani

Work Order : NN2500011  
Report Number : NN2500011-AA  
Date Received : Oct 02, 2025  
Date Reported : Oct 08, 2025  
Date Analysis Commenced : Oct 03, 2025  
No. of samples received : 1  
Temperature : 3.2 °C  
Sampled by : Phakanan Khamjantararat

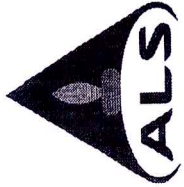
Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Signatories

Siriluk P.

Siriluk Bunnak  
Section Head





# Analysis Report NN2500011

Report Number : NN2500011-AA

TESTING  
No.0009



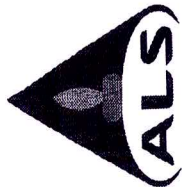
## Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
NN2500011-001	น้ำดื่ม	---	---	1x Plastic bottle - Preserved with H <sub>2</sub> SO <sub>4</sub> , 1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated

## Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D



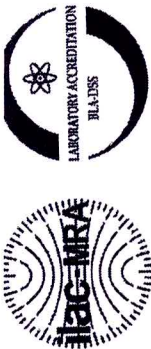
# Analysis Report NN2500011

Report Number : NN2500011-AA

Sub-Matrix: WASTEWATER

(Matrix: WATER)

TESTING  
No.0009



Client Sample ID					Sampling Date		Guideline		Result	
Method					Analytes		LOQ		Unit	
Testing Lab					Type B		MNRE 2567		Type B	
Chemical Parameters					BOD (5 days at 20°C)		2.0		mg/L	
EN0044	Bangkok				Oil & Grease		3		mg/L	
EN0048	Bangkok				pH at 25°C		1.0		pH Unit	
EN0021	Bangkok				Sulfides		0.5		mg/L	
EN0032	Bangkok				Total Kjeldahl Nitrogen as N		0.15		mg/L	
EN0035	Bangkok				Total Dissolved Solids at 180°C		5		mg/L	
Physical and Aggregate Properties					Total Suspended Solids		5		mg/L	
EN0100	Bangkok									
EN0102	Bangkok									

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

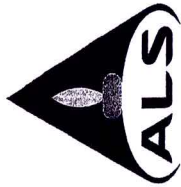
Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

END OF REPORT





## Analysis Report NN2500012



TESTING  
No.0009 11/68

Client : Juristic Person Condo Aspire Udonthani  
669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani, Udon Thani,  
Thailand, 41000  
P/O : ---  
Project : ---  
Project Location: Juristic Person Condo Aspire Udonthani

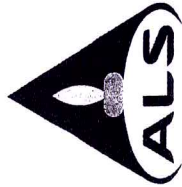
Work Order : NN2500012  
Report Number : NN2500012-AA  
Date Received : Nov 04, 2025  
Date Reported : Nov 10, 2025  
Date Analysis Commenced : Nov 05, 2025  
No. of samples received : 1  
Temperature : 3.2 °C  
Sampled by : Phakanan Khamjantararat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Signatories

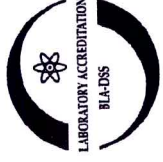
Siriluk P.

Siriluk Bunnak  
Section Head



# Analysis Report NN2500012

Report Number : NN2500012-AA



TESTING  
No.0009

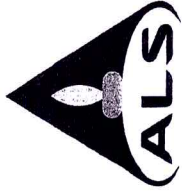
Sample Receipt and Conditions			
Sample ID	Sample Name	Sample Description	GPS
NN2500012-001	Water	1x Plastic bottle - Preserved with H <sub>2</sub> SO <sub>4</sub> , 1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated	

## Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (D)
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D





# Analysis Report NN2500012

Report Number : NN2500012-AA



TESTING  
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Matrix: WATER)										Client Sample ID	
Sampling Date											
Nov 03, 2025 03:10 PM											
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result			
						MNRE 2567	Type B				
Chemical Parameters											
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		15.7			
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3			
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		7.6			
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		0.8 *			
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		55.9			
Physical and Aggregate Properties											
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		256			
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		20			

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

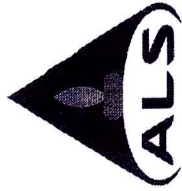
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



## Analysis Report NN25000006



TESTING  
No.0009 12/68

Client : Juristic Person Condo Aspire Udonthani  
669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani,  
Thailand, 41000  
P/O : ---  
Project : ---  
Project Location: Juristic Person Condo Aspire Udonthani

Work Order : NN25000006  
Report Number : NN25000006-AB  
Date Received : Dec 02, 2025  
Date Reported : Dec 13, 2025  
Date Analysis Commenced : Dec 02, 2025  
No. of samples received : 2  
Temperature : 3.6 °C  
Sampled by : Phakanan Khanjantararat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Signatories

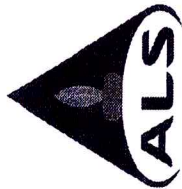
Sithichok

Sithichok Thong-Nguen  
Scientist (3)

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

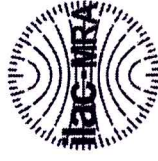
104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000





# Analysis Report NN2500006

Report Number : NN2500006-AB



TESTING  
No.0009

## Sample Receipt and Conditions

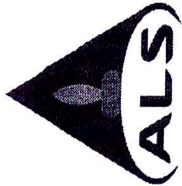
Sample ID	Sample Name	Sample Description	GPS	Conditions
NN2500006-002	น้ำดื่ม	---	---	1x Plastic bottle - Preserved with H2SO4, 1x 500mL Plastic Bottle, 1x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated
NN2500006-003	สารละลาย	---	---	1x 1L Plastic Bottle, 1x 500mL Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated

## Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

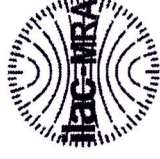
Method	Testing Lab	Method Descriptions
EN0002	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B
EN0017	Bangkok	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - NH3 (F)
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - S2 (C, F)
EN0035	Bangkok	In-house method : STM 04-100 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (D)
EN0041	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C
EN0044	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B and part 4500 - O (G)
EN0048	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B
EN0077	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B
EN0100	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D
MC6009	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, Part 9221 B
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, Part 9221 F
MC6021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, Part 9221 E





# Analysis Report NN25000006

Report Number : NN25000006-AB



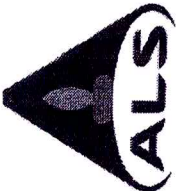
TESTING  
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Sub-Matrix: WASTEWATER (Metric: WATER)							Client Sample ID		
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						Guideline			
						MNRE 2567 Type B	MOPH 1/2550		
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		6.4	
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3	
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		7.4	
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		26.1	
Physical and Aggregate Properties									
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		268	
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		12	



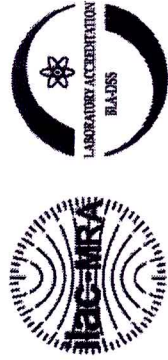


# Analysis Report NN2500006

Report Number : NN2500006-AB

Sub-Matrix: PROCESS WATER

(Matrix: WATER)



TESTING  
No.0009

Client Sample ID					สถานะ	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date
Guideline						
MINRE 2567 Type B						
MOPH 1/2550						
Result						
Chemical Parameters						
EN0017	Bangkok	Ammonia Nitrogen	0.02	0.05	mg/L	≤20
EN0002	Bangkok	Chloride as Cl	0.06	0.2	mg/L	≤600
EN0002	Bangkok	Nitrate as N	0.06	0.2	mg/L	—
EN0021	Bangkok	pH at 25°C	—	1.0	pH Unit	7.2-8.4
EN0041	Bangkok	Total Hardness as CaCO3	—	1	mg/L	54 *
Microbiological Parameters						
MC6009	Bangkok	Total Coliforms	—	—	MPN/100mL	<1.1
MC6012	Bangkok	Escherichia coli	—	—	in 100mL	Not Detected
MC6021	Bangkok	Fecal Coliforms	—	—	MPN/100mL	<1.1
Physical and Aggregate Properties						
EN0077	Bangkok	Total Alkalinity as CaCO3	—	1	mg/L	81 *

Guideline: MINRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

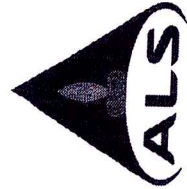
MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

- Key:
- LOD : Limit of Detection
  - "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
  - Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----



## Analysis Report NN2500006



ISO/IEC 17025

Accreditation No. 1031/47

Client : Juristic Person Condo Aspire Udonthani

669 Moo 2, Tambon Mak Khaeng, Amphoe Mueang Udon Thani, Udon Thani,  
Thailand, 41000

P/O : ---

Project : ---

Project Location: Juristic Person Condo Aspire Udonthani

Work Order : NN2500006  
Report Number : NN2500006-AA  
Date Received : Dec 02, 2025  
Date Reported : Dec 13, 2025  
Date Analysis Commenced : Dec 03, 2025  
No. of samples received : 1  
Temperature : 3.6 °C  
Sampled by : Phakanan Khamjantararat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Signatories

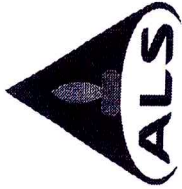
Nanthawadee Somboon  
Specialist 2

ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000

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# Analysis Report NN2500006

Report Number : NN2500006-AA



ISO/IEC 17025

Accreditation No. 1031/47

## Sample Receipt and Conditions

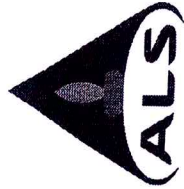
Sample ID	Sample Name	Sample Description	GPS	Conditions
NN2500006-001	น้ำดื่ม			1x 1L Plastic Bottle, refrigerated

## Brief Method Summaries

The methods in the analysis report are short formal, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)
EN0081	Bangkok	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B
EN0082	Bangkok	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510B
EN0104	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B





# Analysis Report NN2500006

Report Number : NN2500006-AA



ISO/IEC 17025

Accreditation No. 1031/47

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID						นำส่งตรวจ	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline	Sampling Date
Chemical Parameters							
EN0021	Bangkok	pH at 25°C	---	1.0	pH Unit	PWA 2565	Dec 01, 2025 02:50 PM
Physical and Aggregate Properties							
EN0081	Bangkok	Color (Apparent)	---	5	Color unit	Result	NN2500006-001
EN0082	Bangkok	Conductivity at 25 °C	---	0.50	µS/cm		
EN0104	Bangkok	Turbidity	---	0.1	NTU		
							7.3
							<5 *
							282 *
							1.4

Guideline: PWA 2565: Provincial Waterworks Authority on water quality standards

Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

- LOD : Limit of Detection
- "L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Result(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

----- END OF REPORT -----

## บทที่ 4

### ผลการติดตามตรวจสอบคุณภาพ สิ่งแวดล้อม

#### 4.1 สรุปผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบ สิ่งแวดล้อม

จากผลการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม (ระยะดำเนินการ) โครงการ แอสปายอุดรธานี ของนิติบุคคลอาคารชุดแอสปายอุดรธานี ระหว่างเดือน กรกฎาคม-ธันวาคม 2568 พบว่า ทางโครงการได้ปฏิบัติตามมาตรการฯ ได้อย่างครบถ้วนแสดงให้เห็นถึงความตระหนักและการให้ความสำคัญในการดูแลรักษาสภาพแวดล้อม

#### 4.2 สรุปผลการปฏิบัติตามมาตรการติดตามตรวจสอบผลกระทบ สิ่งแวดล้อม

จากผลการตรวจวัดคุณภาพสิ่งแวดล้อมในช่วงเดือน กรกฎาคม-ธันวาคม 2568 ประกอบด้วยการตรวจวัดคุณภาพน้ำทั้ง คุณภาพน้ำประปาและน้ำจากสระว่ายน้ำพบว่า ผลการตรวจวัดมีค่าอยู่ในเกณฑ์มาตรฐานกำหนด