

ภาคผนวก ข

ใบรายงานผลการติดตามตรวจสอบ



ภาคผนวก ข-1

ใบรายงานผลการติดตามตรวจสอบปริมาณของ
สารเจือปนในอากาศที่ระบายออกจากเตาเผามูลฝอย





United Analyst and Engineering Consultant Co., Ltd.

8 Suk Udompruk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10250
Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaec consultant.com E-mail: uaec@uaecconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MUO 2 KILONG CHIK BANG PA-IN PHRA MAHON SI AYUTTHAYA 13180
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : uaec@uaecconsultant.com
SAMPLING SOURCE : BANGPA-IN LAND DEVELOPMENT CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : JULY 28, 2025
SAMPLING TIME : 08:30-10:20 HOUR
SAMPLING BY : MR. JONNAPOB PUTRAQUATTANA 3-145-P-0049
ANALYZED BY : MISS JUANIN KONGTHONG 3-145-P-0023
RECEIVED DATE : JULY 30, 2025
ANALYTICAL DATE : JULY 30/AUGUST 1, 2025
ISSUE DATE : AUGUST 7, 2025
REPORT NO. : 2025-0071423
WORK NO. : 2025-010308
ANALYSIS NO. : T25AQ521-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			GI2 NO.1 T25AQ521-0001	7% OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	TECHNOMETRIC GRAVIMETRIC METHOD (US EPA METHOD 5)	11.0	11.7
SULPHUR DIOXIDE	ppm	ABSORPTION BARLUM THORIN TITRIMETRIC METHOD AT 570E (US EPA METHOD 6)	1.30	1.30
HYDROGEN CHLORIDE	ppm	ABSORPTION ION CHROMATOGRAPHIC METHOD (US EPA METHOD 29A)	0.004	0.004
SAMPLE CONDITION			COMPLETE	

REMARK :
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Budsakorn ✓

(MISS BUDSAKORN LESDINAPHAS)
LABORATORY SUPERVISOR
3-145-P-0011



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ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MUO 2 KILONG CHIK BANG PA-IN PHRA MAHON SI AYUTTHAYA 13180
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : uaec@uaecconsultant.com
MEASURING SOURCE : BANGPA-IN LAND DEVELOPMENT CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : JULY 28, 2025
MEASURING TIME : 08:30 HOUR
MEASURING METHOD : U.S. EPA METHOD 7E
MEASURED BY : MR. JONNAPOB PUTRAQUATTANA 3-145-P-0049
RECEIVED DATE : JULY 30, 2025
ANALYTICAL DATE : JULY 28, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-0071424
WORK NO. : 2025-010308
ANALYSIS NO. : T25AQ521-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			GI2 NO.1 T25AQ521-0001	7% OXYGEN
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA CODE OF FEDERAL REGULATION 40 CFR PART 60 APPENDIX A METHOD 7E, JULY 2001	12	14
SAMPLE CONDITION			COMPLETE	

REMARK :
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Nithawat

(MR. NITTAWAT DANGSAMAT)
LABORATORY SUPERVISOR
3-145-P-0021



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ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 129 MOO 2 KHLONG CHIK BANG IN PHA NAKHON SI ANUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 E-mail : kinsalee@phdmail.com

MEASURING SOURCE : BANGPA-IN LAND DEVELOPMENT CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : JULY 28, 2025
MEASURING TIME : 09:15 (05:30 HOUR)
MEASURING METHOD : RUGELMANN'S METHOD
MEASURED BY : MR. KORNMAK PUTHAPATTANA 7-145-S-054B
MR. WATTHANIN SAN-NGAN 7-145-S-0169

RECEIVED DATE : JULY 28, 2025
ANALYTICAL DATE : JULY 28, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-0071-001
WORK NO. : 1023-010508
ANALYSIS NO. : T25A0521-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
OPACITY	%	RUGELMANN'S METHOD	GIZ NO.1 T25A0521-0001 5

Nattawat

(MR. NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
7-145-S-0121



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ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 129 MOO 2 KHLONG CHIK BANG IN PHA NAKHON SI ANUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 E-mail : kinsalee@phdmail.com

SAMPLING SOURCE : BANGPA-IN LAND DEVELOPMENT CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : JULY 28, 2025
SAMPLING TIME : 11:00-12:20 HOUR
SAMPLING BY : MR. KORNMAK PUTHAPATTANA 7-145-S-054B
ANALYZED BY : MISS SUWAN KONGTHONG 7-145-S-0125

RECEIVED DATE : JULY 28, 2025
ANALYTICAL DATE : JULY 30-AUGUST 5, 2025
ISSUE DATE : AUGUST 7, 2025
REPORT NO. : 2025-0071-001
WORK NO. : 1023-010508
ANALYSIS NO. : T25A0521-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISO KINETIC GRAVIMETRIC METHOD (US EPA METHOD 5)	GIZ NO.2 T25A0521-0002 ACTUAL OXYGEN 7% OXYGEN 33.7 38.7
SULPHUR DIOXIDE	ppm	ABSORPTION BARUM-THORN TITRIMETRIC METHOD AT SITE (US EPA METHOD 8)	4.130 4.130
HYDROGEN CHLORIDE	ppm	ABSORPTION ION-CHROMATOGRAPHIC METHOD (US EPA METHOD 26A)	0.001 0.001
SAMPLE CONDITION			COMPLETE

REMARK :
RESULT : REFERENCE CONDITION IS 20 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASES.

Budsakorn

(MS. BUDSAKORN LEBEVALUMAS)
LABORATORY SUPERVISOR
7-145-S-0011



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ANALYSIS REPORT

CUSTOMER NAME : BANGKAI IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 129 MOO 2 BHLONG CHIK BANG PA IN PHRA NAKHON SI AYUTTHAYA 13100
CONTACT INFORMATION : TEL : 08 10511 8130 E-mail : kntasadee48@hotmail.com
SAMPLING SOURCE : BANGKAI IN LAND DEVELOPMENT CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : JULY 29, 2025
SAMPLING TIME : 08:30-10:30 HOUR
SAMPLING BY : MR RONNAPORN NUTRASELUPATTANA 1-45-4-0040
ANALYZED BY : MISS SHAWN KONGKOTONG 1-45-4-0020

RECEIVED DATE : JULY 30, 2025
ANALYTICAL DATE : JULY 30/AUGUST 5, 2025
ISSUE DATE : AUGUST 7, 2025
REPORT NO. : 2025-0071420
WORK NO. : 1023-010508
ANALYSIS NO. : T25AC251-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			GIZ NO.3 T25AC251-0003	7% OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISO 9103 GRAVIMETRIC METHOD (US EPA METHOD 5)	10.3	10.7
SULPHUR DIOXIDE	ppm	ABSORPTION-BARHAM-THORIN TITRIMETRIC METHOD AT 570 NM (US EPA METHOD 8)	< 1.00	< 1.00
HYDROGEN SULFIDE	ppm	ABSORPTION, ION CHROMATOGRAPHIC METHOD (US EPA METHOD 20)	0.003	0.004
SAMPLE CONDITION			COMPLETE	

REMARK :
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Budisorn ✓
(MISS BUDISORN LERDPAIPIHARN)
LABORATORY SUPERVISOR
1-145-4-0011



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ANALYSIS REPORT

CUSTOMER NAME : BANGKAI IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 129 MOO 2 BHLONG CHIK BANG PA IN PHRA NAKHON SI AYUTTHAYA 13100
CONTACT INFORMATION : TEL : 08 10511 8130 E-mail : kntasadee48@hotmail.com
MEASURING SOURCE : BANGKAI IN LAND DEVELOPMENT CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : JULY 29, 2025
MEASURING TIME : 08:40-10:00
MEASURING METHOD : U.S. EPA METHOD 7E
MEASURED BY : MR RONNAPORN NUTRASELUPATTANA 1-45-4-0040

RECEIVED DATE : JULY 29, 2025
ANALYTICAL DATE : JULY 29, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-0071430
WORK NO. : 2023-010598
ANALYSIS NO. : T25AC251-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			GIZ NO.3 T25AC251-0003	7% OXYGEN
OXYGEN OF NITROGEN AND NITROGEN DIOXIDE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 60, APPENDIX A, METHOD 7E, JULY 2021	20	20
SAMPLE CONDITION			COMPLETE	

REMARK :
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Nattawat
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
1-145-4-0021



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ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13100
CONTACT INFORMATION : TEL : 08 8511 8130 e-mail : khinlauri.a@phdthai.com
MEASURING SOURCE : BANGPA-IN LAND DEVELOPMENT CO., LTD.

MEASURING TYPE : STACK
MEASURING DATE : JULY 29, 2025
MEASURING TIME : 09:45-10:00 HOUR
MEASURING METHOD : RINDEL-MANN'S METHOD
MEASURED BY : MR. RICHARDO PUTNAGALATTANA >145-e-0049
MR. WATTHORN SAN BICAN >145-e-0059

RECEIVED DATE : JULY 29, 2025
ANALYTICAL DATE : JULY 29, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-A071431
WORK NO. : 2025-010508
ANALYSIS NO. : T25AQ521-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
CONCENTR	%	RINDEL-MANN'S METHOD	GIZ NO.3 T25AQ521-0003 5

Nattawat

(MR. NATTAWAT DAREDAWAT)
LABORATORY SUPERVISOR

>145-e-0021



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ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13100
CONTACT INFORMATION : TEL : 08 8511 8130 e-mail : khinlauri.a@phdthai.com
SAMPLING SOURCE : BANGPA-IN LAND DEVELOPMENT CO., LTD.

SAMPLE TYPE : STACK
SAMPLING DATE : JULY 29, 2025
SAMPLING TIME : 11:30-12:30 HOUR
SAMPLING BY : MR. RICHARDO PUTNAGALATTANA >145-e-0049
ANALYZED BY : MISS SUPAN KONGTHONG >145-e-0025

RECEIVED DATE : JULY 30, 2025
ANALYTICAL DATE : JULY 30/AUGUST 5, 2025
ISSUE DATE : AUGUST 7, 2025
REPORT NO. : 2025-A071432
WORK NO. : 2025-010508
ANALYSIS NO. : T25AQ521-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISO 9103:2010 GRAVIMETRIC METHOD (US EPA METHOD 5)	GIZ NO.4 T25AQ521-0004 ACTUAL OXYGEN 7% OXYGEN 55.6 60.8
SULPHUR DIOXIDE	ppm	ABSORPTION BARILUM THORUM TITRIMETRIC METHOD AT BITE (US EPA METHOD 8)	< 1.30 < 1.30
HYDROGEN CHLORIDE	ppm	ABSORPTION ION CHROMATOGRAPHIC METHOD (US EPA METHOD 25A)	0.001 0.006
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Andakorn

(MISS RUDSAKORN LERTRAKULPHONG)
LABORATORY SUPERVISOR

>145-e-0011



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ANALYSIS REPORT

CUSTOMER NAME : BANGKHA IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 129 MOO 2 KHLONG CHIK BANG PA IN PHRA MAHON SI AYUTTHAYA 13166
CONTACT INFORMATION : TEL : 08-0511-8130 E-mail : info@unitedanalyst.com
MEASURING SOURCE : BANGKHA IN LAND DEVELOPMENT CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : JULY 29, 2025
MEASURING TIME : 11:00 HOUR
MEASURING METHOD : U.S. EPA METHOD 7E
MEASURED BY : MR. RONGMAE PUTHAPLEATTANA 3-145-a-0049
ANALYSIS NO. : T25A0521-0004

RECEIVED DATE : JULY 29, 2025
ANALYTICAL DATE : JULY 29, 2025
ISSUE DATE : AUGUST 6, 2025
REPORT NO. : 2025-0071434
WORK NO. : 2025-010508
ANALYSIS NO. : T25A0521-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			ACTUAL OXYGEN	GIZ NO.4 T25A0521-0004
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A METHOD 7E JULY 2021	18	20
SAMPLE CONDITION			COMPLETE	

REMARK : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Nathawat.
(MR. NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
3-145-a-0021



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ANALYSIS REPORT

CUSTOMER NAME : BANGKHA IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 129 MOO 2 KHLONG CHIK BANG PA IN PHRA MAHON SI AYUTTHAYA 13166
CONTACT INFORMATION : TEL : 08-0511-8130 E-mail : info@unitedanalyst.com
MEASURING SOURCE : BANGKHA IN LAND DEVELOPMENT CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : JULY 29, 2025
MEASURING TIME : 11:05-12:00 HOUR
MEASURING METHOD : RINGELMANN'S METHOD
MEASURED BY : MR. RONGMAE PUTHAPLEATTANA 3-145-a-0049
ANALYSIS NO. : T25A0521-0004

RECEIVED DATE : JULY 29, 2025
ANALYTICAL DATE : JULY 29, 2025
ISSUE DATE : AUGUST 6, 2025
REPORT NO. : 2025-0071434
WORK NO. : 2025-010508
ANALYSIS NO. : T25A0521-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			OPACITY	GIZ NO.4 T25A0521-0004
	%	RINGELMANN'S METHOD		5

Nathawat.
(MR. NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
3-145-a-0021



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ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศในบรรยากาศโดยทั่วไป





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NSC - TIS - TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : แหล่งชุมชน
SAMPLE TYPE : AMBIENT
SAMPLING DATE : 15 AUG 2025
SAMPLING TIME : 15:00
SAMPLING BY : MR NOPPADON NIAMNOM
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-5, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-U071914
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ709-0001 - T25AQ709-0003

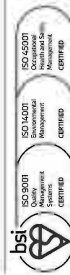
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			* **	** ***	***
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA. CODE OF FEDERAL REGULATIONS. 40 CFR CHAPTER I-PART 50 APPENDIX B. REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.050	0.047	0.035
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^b	mg/m ³	US EPA. CODE OF FEDERAL REGULATIONS. 40 CFR CHAPTER I-PART 50 APPENDIX J. REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.034	0.031	0.024
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

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

REMARK

- REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
- SAMPLING FROM 08:30 HOUR ON JULY 24, 2025 TO 08:30 HOUR ON JULY 25, 2025.
- SAMPLING FROM 08:30 HOUR ON JULY 25, 2025 TO 08:30 HOUR ON JULY 26, 2025.
- SAMPLING FROM 08:30 HOUR ON JULY 26, 2025 TO 08:30 HOUR ON JULY 27, 2025.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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NSC - TIS - TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : แหล่งชุมชน
SAMPLE TYPE : AMBIENT
SAMPLING DATE : 15 AUG 2025
SAMPLING TIME : 15:00
SAMPLING BY : MR NOPPADON NIAMNOM
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-5, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-U071915
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ709-0004 - T25AQ709-0007

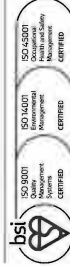
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			* **	** ***	***	****
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA. CODE OF FEDERAL REGULATIONS. 40 CFR CHAPTER I-PART 50 APPENDIX B. REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.028	0.030	0.031	0.048
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^b	mg/m ³	US EPA. CODE OF FEDERAL REGULATIONS. 40 CFR CHAPTER I-PART 50 APPENDIX J. REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.017	0.020	0.013	0.029
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

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

REMARK

- REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
- SAMPLING FROM 08:30 HOUR ON JULY 27, 2025 TO 08:30 HOUR ON JULY 28, 2025.
- SAMPLING FROM 08:30 HOUR ON JULY 28, 2025 TO 08:30 HOUR ON JULY 29, 2025.
- SAMPLING FROM 08:30 HOUR ON JULY 29, 2025 TO 08:30 HOUR ON JULY 30, 2025.
- SAMPLING FROM 08:30 HOUR ON JULY 30, 2025 TO 08:30 HOUR ON JULY 31, 2025.

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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : วัดจตุรพักตรพิมาน
SAMPLE TYPE : AMBIENT
SAMPLING DATE : ** ** **
SAMPLING TIME : ** ** **
SAMPLING BY : MR NORPADON NIAMNİYOM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-5, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-U071916
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ709-0008 - T25AQ709-0010

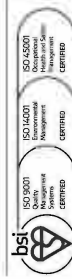
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			*	**	***
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	T25AQ709-0008 0.054	T25AQ709-0009 0.051	T25AQ709-0010 0.036
PARTICULATE MATTER as PM10 (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.034	0.031	0.024
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

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

REMARK

- TSP, PM10
* : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
** : SAMPLING FROM 10:00 HOUR ON JULY 24, 2025 TO 10:00 HOUR ON JULY 25, 2025.
*** : SAMPLING FROM 10:00 HOUR ON JULY 26, 2025 TO 10:00 HOUR ON JULY 27, 2025.

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LABORATORY SUPERVISOR



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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : วัดจตุรพักตรพิมาน
SAMPLE TYPE : AMBIENT
SAMPLING DATE : ** ** **
SAMPLING TIME : ** ** **
SAMPLING BY : MR NORPADON NIAMNİYOM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-5, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-U071917
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ709-0011 - T25AQ709-0014

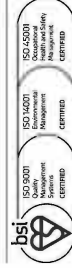
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			*	**	***	****
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	T25AQ709-0011 0.033	T25AQ709-0012 0.033	T25AQ709-0013 0.028	T25AQ709-0014 0.044
PARTICULATE MATTER as PM10 (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.019	0.020	0.017	0.032
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

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

REMARK

- TSP, PM10
* : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
** : SAMPLING FROM 10:00 HOUR ON JULY 27, 2025 TO 10:00 HOUR ON JULY 28, 2025.
*** : SAMPLING FROM 10:00 HOUR ON JULY 28, 2025 TO 10:00 HOUR ON JULY 29, 2025.
**** : SAMPLING FROM 10:00 HOUR ON JULY 29, 2025 TO 10:00 HOUR ON JULY 30, 2025.
***** : SAMPLING FROM 10:00 HOUR ON JULY 30, 2025 TO 10:00 HOUR ON JULY 31, 2025.

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NSC - TIS - TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : การทำตัวบ้านเพื่อทดสอบค่าฝุ่นภายใน
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * , ** , *** : AUGUST 1, 2025
SAMPLING TIME : * , ** , *** : AUGUST 1-5, 2025
SAMPLING BY : * , ** , *** : AUGUST 8, 2025
REPORT NO. : 2025-U071918
WORK NO. : 2023-010508
ANALYZED BY : MISS JETJARN TUMSA-AT
ANALYSIS NO. : T25AQ709-0015 - T25AQ709-0017

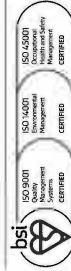
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			* T25AQ709-0015	** T25AQ709-0016	*** T25AQ709-0017
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.088	0.072	0.050
PARTICULATE MATTER as PM10 (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.044	0.052	0.032
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

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

REMARK

- TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE
* : SAMPLING FROM 09:30 HOUR ON JULY 24, 2025 TO 09:30 HOUR ON JULY 25, 2025.
* : SAMPLING FROM 09:30 HOUR ON JULY 25, 2025 TO 09:30 HOUR ON JULY 26, 2025.
* : SAMPLING FROM 09:30 HOUR ON JULY 26, 2025 TO 09:30 HOUR ON JULY 27, 2025.

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NSC - TIS - TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : การทำตัวบ้านเพื่อทดสอบค่าฝุ่นภายใน
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * , ** , *** : AUGUST 1, 2025
SAMPLING TIME : * , ** , *** : AUGUST 1-5, 2025
SAMPLING BY : * , ** , *** : AUGUST 8, 2025
REPORT NO. : 2025-U071919
WORK NO. : 2023-010508
ANALYZED BY : MISS JETJARN TUMSA-AT
ANALYSIS NO. : T25AQ709-0018 - T25AQ709-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			* T25AQ709-0018	** T25AQ709-0019	*** T25AQ709-0020	**** T25AQ709-0021
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.044	0.050	0.053	0.073
PARTICULATE MATTER as PM10 (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.027	0.029	0.037	0.057
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

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

REMARK

- TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE
* : SAMPLING FROM 09:30 HOUR ON JULY 27, 2025 TO 09:30 HOUR ON JULY 28, 2025.
* : SAMPLING FROM 09:30 HOUR ON JULY 28, 2025 TO 09:30 HOUR ON JULY 29, 2025.
* : SAMPLING FROM 09:30 HOUR ON JULY 29, 2025 TO 09:30 HOUR ON JULY 30, 2025.
* : SAMPLING FROM 09:30 HOUR ON JULY 30, 2025 TO 09:30 HOUR ON JULY 31, 2025.

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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : พื้นที่ทางเดินรถและที่จอดรถ
SAMPLE TYPE : AMBIENT
SAMPLING DATE : ** ** ** **
: ** ** ** **
SAMPLING TIME : ** ** **
: ** ** **
SAMPLING BY : MR NOPPADON NIAMNIYOM
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-5, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-U071920
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ709-0022 - T25AQ709-0024

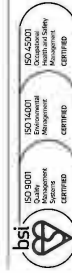
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			* T25AQ709-0022	** T25AQ709-0023	*** T25AQ709-0024
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.072	0.064	0.045
PARTICULATE MATTER as PM10 (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.038	0.034	0.025
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

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

REMARK

- TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE
* : SAMPLING FROM 09:00 HOUR ON JULY 24, 2025 TO 09:00 HOUR ON JULY 25, 2025.
** : SAMPLING FROM 09:00 HOUR ON JULY 25, 2025 TO 09:00 HOUR ON JULY 26, 2025.
*** : SAMPLING FROM 09:00 HOUR ON JULY 26, 2025 TO 09:00 HOUR ON JULY 27, 2025.

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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : พื้นที่ทางเดินรถและที่จอดรถ
SAMPLE TYPE : AMBIENT
SAMPLING DATE : ** ** ** **
: ** ** **
SAMPLING TIME : ** ** **
: ** ** **
SAMPLING BY : MR NOPPADON NIAMNIYOM
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-5, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-U071921
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ709-0025 - T25AQ709-0028

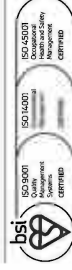
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			* T25AQ709-0025	** T25AQ709-0026	*** T25AQ709-0027	**** T25AQ709-0028
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.050	0.045	0.047	0.073
PARTICULATE MATTER as PM10 (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.023	0.021	0.020	0.038
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

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

REMARK

- TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE
* : SAMPLING FROM 09:00 HOUR ON JULY 27, 2025 TO 09:00 HOUR ON JULY 28, 2025.
** : SAMPLING FROM 09:00 HOUR ON JULY 28, 2025 TO 09:00 HOUR ON JULY 29, 2025.
*** : SAMPLING FROM 09:00 HOUR ON JULY 29, 2025 TO 09:00 HOUR ON JULY 30, 2025.
**** : SAMPLING FROM 09:00 HOUR ON JULY 30, 2025 TO 09:00 HOUR ON JULY 31, 2025.

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LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : DAHONGJI (LAND DEVELOPMENT) CO., LTD.
ADDRESS : 138 Moo 2 Klongtoey Deu Bang Pa-In Phra Prachin Si Anutthaya 13180
CONTACT INFORMATION : Tel: 08-6511 8130 E-mail: kerdasah-ar@protonmail.com
MEASURING PLACE : Muangthani Samut Prakan 10
MEASURING TYPE : AMBIENT (APR)
MEASURING DATE : JULY 24-31, 2025
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR. KOMPADON NAWANON

RECEIVED DATE : JULY 24-31, 2025

ANALYTICAL DATE : JULY 24-31, 2025

ISSUE DATE : AUGUST 11, 2025

REPORT NO. : 2025-UDT1465

WORK NO. : 2023-010508

ANALYSIS NO. : T25AQ709-0022 - T25AQ709-0028

TIME *	RESULT (m/s)					
	JULY 24-25, 2025			JULY 25-26, 2025		
	T25AQ709-0022			T25AQ709-0023		
	WIND SPEED	WIND DIRECTION		WIND SPEED	WIND DIRECTION	
07:00-08:00 HOUR	2.7	SSE	2.1	1	2.5	SSE
08:00-09:00 HOUR	2.3	SSE	1.8	3	1.7	SSE
09:00-10:00 HOUR	2.8	SE	1.6	5	1.3	SSE
10:00-11:00 HOUR	2.6	SE	1.7	5	1.8	SE
11:00-12:00 HOUR	1.9	SE	1.7	SSE	1.8	SSE
12:00-13:00 HOUR	2.2	5	1.8	5	2.3	SSE
13:00-14:00 HOUR	2.2	SSE	1.8	SSE	2.3	5
14:00-15:00 HOUR	2.3	5	2.0	SE	2.3	SSE
15:00-16:00 HOUR	2.5	5	2.4	SE	3.3	5
16:00-17:00 HOUR	2.5	SSE	2.0	SSE	2.6	SSE
17:00-18:00 HOUR	3.5	SSE	2.0	SE	3.0	5
18:00-19:00 HOUR	2.8	5	1.4	5	2.2	SWW
19:00-20:00 HOUR	1.9	5	1.3	SE	2.7	SWW
20:00-21:00 HOUR	2.1	SE	0.7	SE	1.7	SSE
21:00-22:00 HOUR	1.7	5	0.7	SSE	1.8	SE
22:00-23:00 HOUR	1.4	5	0.9	SE	1.4	SE
23:00-00:00 HOUR	1.1	SWW	1.3	SE	1.1	SSE
00:00-01:00 HOUR	0.7	WSW	1.8	SE	1.1	5
01:00-02:00 HOUR	0.7	SWW	2.4	SSE	1.3	SSE
02:00-03:00 HOUR	1.1	SWW	3.3	5	1.2	5
03:00-04:00 HOUR	1.7	SSE	3.7	SWW	1.4	SSE
04:00-05:00 HOUR	1.5	5	2.3	SWW	1.7	SSE
05:00-06:00 HOUR	1.9	SSE	3.0	5	2.1	SSE
06:00-07:00 HOUR	2.2	5	2.5	SSE	1.8	SSE



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Tel: 02-253 2328 Fax: 02-253 2300 www.laeconsultant.com E-mail: lae@laeconsultant.com

RESULT (m/s)

TIME *	WIND SPEED (m/s) WIND DIRECTION					
	JULY 27-28, 2025			JULY 29-30, 2025		
	T25AQ709-0025		T25AQ709-0026		T25AQ709-0027	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	2.2	SSE	1.0	5	2.2	5
08:00-09:00 HOUR	1.7	SSE	1.1	SE	2.0	SSE
09:00-10:00 HOUR	2.2	SSE	1.1	SSE	1.3	SE
10:00-11:00 HOUR	1.9	SE	1.0	SE	1.5	SE
11:00-12:00 HOUR	1.7	SE	1.0	SE	0.9	SSE
12:00-13:00 HOUR	2.3	SE	0.8	SE	1.0	SSE
13:00-14:00 HOUR	1.4	SE	1.0	SE	1.1	5
14:00-15:00 HOUR	1.5	5	1.0	SE	1.5	SE
15:00-16:00 HOUR	1.4	SSE	0.9	SE	2.0	SSE
16:00-17:00 HOUR	1.1	SSE	1.1	SE	1.5	SE
17:00-18:00 HOUR	1.0	SE	1.1	SE	1.7	SSE
18:00-19:00 HOUR	1.8	SE	1.0	SE	1.0	SE
19:00-20:00 HOUR	1.8	SSE	3.0	SE	1.1	SE
20:00-21:00 HOUR	1.7	SSE	3.1	SSE	0.7	SE
21:00-22:00 HOUR	1.5	5	2.1	5	1.0	5
22:00-23:00 HOUR	1.8	5	2.1	5	1.2	SSE
23:00-00:00 HOUR	1.7	5	2.1	SWW	1.1	SE
00:00-01:00 HOUR	1.8	5	2.3	SSE	1.7	SE
01:00-02:00 HOUR	2.0	SSE	1.8	5	2.1	SE
02:00-03:00 HOUR	2.3	5	2.1	SWW	1.7	SE
03:00-04:00 HOUR	1.5	SSE	2.1	SWW	2.8	SSE
04:00-05:00 HOUR	1.8	5	2.3	SWW	3.2	SE
05:00-06:00 HOUR	1.2	5	1.8	SWW	2.2	5
06:00-07:00 HOUR	1.2	SSE	1.8	SWW	3.0	SSE
		</				

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(MR. SILA DANDINGJAIKUN)
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ANALYSIS REPORT

CUSTOMER NAME : BANGKOK LAND DEVELOPMENT CO., LTD.
ADDRESS : 128 Moo 2 Petchong Ori Road Bang Pakong Phra Nakhon Si Ayutthaya 13180
CONTACT INFORMATION : TEL. 08-5511 8130 e-mail : kimsade-ae@hotmail.com
MEASURING PLACE : 3x5 (H) N/A
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JULY 24-31, 2023
MEASURING TIME : JULY 24-31, 2023
MEASURING METHOD : *
MEASURED BY : NON-COMPENSIVE INFRARED DETECTION
HIS KORNARON NAKHON

RECEIVED DATE : JULY 24-31, 2023
ANALYTICAL DATE : JULY 24-31, 2023
ISSUE DATE : AUGUST 8, 2023
REPORT NO. : 2023-007401
WORK NO. : 3023-010008
ANALYSIS NO. : T23AQ208-0001 | T23AQ208-0007

TIME*	RESULT			
	CARBON MONOXIDE			
	ppm			
07:00-13:00 (A.M.)	0.55	0.55	0.55	0.55
13:00-19:00 (P.M.)	0.55	0.55	0.55	0.55
20:00-24:00 (NIGHT)	0.55	0.55	0.55	0.55
UNIT	ppm			

bid 78

(MR. SULA BANGKONGCABLES)
LABORATORY SUPERVISOR

AUGUST 8, 2023



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ANALYSIS REPORT

CUSTOMER NAME : BANGKOK LAND DEVELOPMENT CO., LTD.
ADDRESS : 128 Moo 2 Petchong Ori Road Bang Pakong Phra Nakhon Si Ayutthaya 13180
CONTACT INFORMATION : TEL. 08-5511 8130 e-mail : kimsade-ae@hotmail.com
MEASURING PLACE : 3x5 (H) N/A
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JULY 24-31, 2023
MEASURING TIME : JULY 24-31, 2023
MEASURING METHOD : *
MEASURED BY : NON-COMPENSIVE INFRARED DETECTION
HIS KORNARON NAKHON

RECEIVED DATE : JULY 24-31, 2023
ANALYTICAL DATE : JULY 24-31, 2023
ISSUE DATE : AUGUST 8, 2023
REPORT NO. : 2023-007452
WORK NO. : 3023-010008
ANALYSIS NO. : T23AQ208-0008 | T23AQ208-0014

TIME*	RESULT			
	CARBON MONOXIDE			
	ppm			
07:00-13:00 (A.M.)	0.55	0.55	0.55	0.55
13:00-19:00 (P.M.)	0.55	0.55	0.55	0.55
20:00-24:00 (NIGHT)	0.55	0.55	0.55	0.55
UNIT	ppm			

bid 78

(MR. SULA BANGKONGCABLES)
LABORATORY SUPERVISOR

AUGUST 8, 2023



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ANALYSIS REPORT

CUSTOMER NAME : BANGKAI LAND DEVELOPMENT CO., LTD.
ADDRESS : 133 MOO 2 PHUKONG CHAI BANG PA-ON PHRA NAKHON SI KHUTTHAKA 11186
CONTACT INFORMATION : TEL. 08-5511 8130 E-mail : kintadae@bangkai.com
MEASURING PLACE : 133 MOO 2 PHUKONG CHAI BANG PA-ON PHRA NAKHON SI KHUTTHAKA 11186
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JULY 24-31, 2023
MEASURING TIME : JULY 24-31, 2023
MEASURING METHOD : HIGH CONSENSIVE IMPAIRED DETECTION
MEASURED BY : MR. KOPPAKORN NIMHANTHOM
RECEIVED DATE : JULY 24-31, 2023
ANALYTICAL DATE : JULY 24-31, 2023
ISSUE DATE : AUGUST 8, 2023
REPORT NO. : 2023-0079453
WORK NO. : 2023-010008
ANALYSIS NO. : T23AQ798-0013-T23AQ798-0021

TIME*	RESULT			
	CARBON MONOXIDE			
	01/24/2023	01/25/2023	01/26/2023	01/27/2023
	T23AQ798-0013	T23AQ798-0014	T23AQ798-0015	T23AQ798-0016
	1.65	2.44	2.39	1.65
	ppm			
07:00-15:00 HOURS				
UNIT				

hid 7p

(MR. SULA BANGKONGKABLIK)
LABORATORY SUPERVISOR
AUGUST 8, 2023



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ANALYSIS REPORT

CUSTOMER NAME : BANGKAI LAND DEVELOPMENT CO., LTD.
ADDRESS : 133 MOO 2 PHUKONG CHAI BANG PA-ON PHRA NAKHON SI KHUTTHAKA 11186
CONTACT INFORMATION : TEL. 08-5511 8130 E-mail : kintadae@bangkai.com
MEASURING PLACE : 133 MOO 2 PHUKONG CHAI BANG PA-ON PHRA NAKHON SI KHUTTHAKA 11186
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JULY 24-31, 2023
MEASURING TIME : JULY 24-31, 2023
MEASURING METHOD : HIGH CONSENSIVE IMPAIRED DETECTION
MEASURED BY : MR. KOPPAKORN NIMHANTHOM
RECEIVED DATE : JULY 24-31, 2023
ANALYTICAL DATE : JULY 24-31, 2023
ISSUE DATE : AUGUST 8, 2023
REPORT NO. : 2023-0079453
WORK NO. : 2023-010008
ANALYSIS NO. : T23AQ798-0022-T23AQ798-0028

TIME*	RESULT			
	CARBON MONOXIDE			
	01/24/2023	01/25/2023	01/26/2023	01/27/2023
	T23AQ798-0022	T23AQ798-0023	T23AQ798-0024	T23AQ798-0025
	1.64	1.65	2.51	2.39
	ppm			
07:00-15:00 HOURS				
UNIT				

hid 7p

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AUGUST 8, 2023



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ANALYSIS REPORT

CUSTOMER NAME

BAHCHA IN LAND DEVELOPMENT CO., LTD.

ADDRESS

310 HOO 2 KOLLING CHIK BANGPAI IN PHRA MONON SI ANUTTHAYA 13180

CONTACT INFORMATION

Tel: 081 6130 e-mail: kirtada.a@lasermail.com

MEASURING TYPE

SAMPLE

MEASURING DATE

2023-07-24

MEASURING TIME

10:00-11:00

MEASURING METHOD

CHROMATOGRAPHY

MEASURED BY

PH. KIRITADA

RECEIVED DATE

2023-07-24

ANALYTICAL DATE

2023-07-24

ISSUE DATE

2023-07-24

REPORT NO.

2023-07-24

WORK NO.

2023-07-24

ANALYSIS NO.

2023-07-24

TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	JULY 24-25, 2023 T25A0209-0001	JULY 25-26, 2023 T25A0209-0002	JULY 26-27, 2023 T25A0209-0003	
07:00-08:00 HOUR	0.0140	0.0142	0.0140	
08:00-09:00 HOUR	0.0134	0.0142	0.0140	
09:00-10:00 HOUR	0.0101	0.0132	0.0136	
10:00-11:00 HOUR	0.0097	0.0105	0.0132	
11:00-12:00 HOUR	0.0102	0.0101	0.0120	
12:00-13:00 HOUR	0.0100	0.0103	0.0124	
13:00-14:00 HOUR	0.0097	0.0106	0.0136	
14:00-15:00 HOUR	0.0094	0.0118	0.0146	
15:00-16:00 HOUR	0.0092	0.0127	0.0171	
16:00-17:00 HOUR	0.0097	0.0103	0.0134	
17:00-18:00 HOUR	0.0110	0.0102	0.0173	
18:00-19:00 HOUR	0.0114	0.0102	0.0166	
19:00-20:00 HOUR	0.0117	0.0101	0.0175	
20:00-21:00 HOUR	0.0115	0.0106	0.0176	
21:00-22:00 HOUR	0.0117	0.0135	0.0192	
22:00-23:00 HOUR	0.0129	0.0166	0.0184	
23:00-00:00 HOUR	0.0127	0.0194	0.0185	
00:00-01:00 HOUR	0.0148	0.0196	0.0176	
01:00-02:00 HOUR	0.0151	0.0174	0.0161	
02:00-03:00 HOUR	0.0147	0.0169	0.0157	
03:00-04:00 HOUR	0.0124	0.0147	0.0136	
04:00-05:00 HOUR	0.0122	0.0145	0.0134	
05:00-06:00 HOUR	0.0127	0.0142	0.0122	
06:00-07:00 HOUR	0.0106	0.0155	0.0140	



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RESULT (ppm)

NITROGEN DIOXIDE

SAMPLE

JULY 24-25, 2023
T25A0209-0001

JULY 25-26, 2023
T25A0209-0002

JULY 26-27, 2023
T25A0209-0003

07:00-08:00 HOUR

0.0131

08:00-09:00 HOUR

0.0125

09:00-10:00 HOUR

0.0099

10:00-11:00 HOUR

0.0115

11:00-12:00 HOUR

0.0122

12:00-13:00 HOUR

0.0125

13:00-14:00 HOUR

0.0129

14:00-15:00 HOUR

0.0134

15:00-16:00 HOUR

0.0158

16:00-17:00 HOUR

0.0166

17:00-18:00 HOUR

0.0162

18:00-19:00 HOUR

0.0150

19:00-20:00 HOUR

0.0149

20:00-21:00 HOUR

0.0130

21:00-22:00 HOUR

0.0128

22:00-23:00 HOUR

0.0117

23:00-00:00 HOUR

0.0115

00:00-01:00 HOUR

0.0113

01:00-02:00 HOUR

0.0113

02:00-03:00 HOUR

0.0110

03:00-04:00 HOUR

0.0126

04:00-05:00 HOUR

0.0141

05:00-06:00 HOUR

0.0161

06:00-07:00 HOUR

0.0109

0.0145

hid 7x

(MS. SILA BANICHDAIRUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME BANGKOK LAND DEVELOPMENT CO., LTD.
ADDRESS 129 HOO 2 KONGKOR BANGKOK 10110
CONTACT INFORMATION Tel: 081 611 8150 e-mail: krisda@uaeconsultant.com

MEASURING PLACE Bangkok
MEASURING DATE JULY 24-31, 2025
MEASURING TIME 06:00-18:00
MEASURING METHOD CHEMILUMINESCENCE
MEASURED BY MR. NIPANON NAWANOM

RECEIVED DATE JULY 24-31, 2025
ANALYTICAL DATE JULY 24-31, 2025
ISSUE DATE AUGUST 11, 2025
REPORT NO. 2025-0071458
WORK NO. 2025-01008
ANALYSIS NO. T25AQ709-0028 - T25AQ709-0034

TIME	RESULT (ppm)	
	NITROGEN DIOXIDE	
	JULY 24-31, 2025 T25AQ709-0028	JULY 24-31, 2025 T25AQ709-0034
07:00-08:00 HOUR	0.0142	0.0134
08:00-09:00 HOUR	0.0134	0.0149
09:00-10:00 HOUR	0.0090	0.0130
10:00-11:00 HOUR	0.0084	0.0122
11:00-12:00 HOUR	0.0076	0.0121
12:00-13:00 HOUR	0.0076	0.0118
13:00-14:00 HOUR	0.0099	0.0126
14:00-15:00 HOUR	0.0095	0.0121
15:00-16:00 HOUR	0.0112	0.0121
16:00-17:00 HOUR	0.0133	0.0120
17:00-18:00 HOUR	0.0141	0.0125
18:00-19:00 HOUR	0.0151	0.0131
19:00-20:00 HOUR	0.0154	0.0130
20:00-21:00 HOUR	0.0155	0.0136
21:00-22:00 HOUR	0.0144	0.0128
22:00-23:00 HOUR	0.0123	0.0123
23:00-00:00 HOUR	0.0112	0.0129
00:00-01:00 HOUR	0.0106	0.0129
01:00-02:00 HOUR	0.0119	0.0122
02:00-03:00 HOUR	0.0121	0.0116
03:00-04:00 HOUR	0.0132	0.0125
04:00-05:00 HOUR	0.0138	0.0126
05:00-06:00 HOUR	0.0148	0.0145
06:00-07:00 HOUR	0.0161	0.0158



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RESULT (ppm)

TIME	NITROGEN DIOXIDE		
	JULY 24-31, 2025		
	JULY 24-31, 2025 T25AQ709-0013	JULY 24-31, 2025 T25AQ709-0013	JULY 24-31, 2025 T25AQ709-0014
07:00-08:00 HOUR	0.0138	0.0160	0.0141
08:00-09:00 HOUR	0.0139	0.0143	0.0134
09:00-10:00 HOUR	0.0114	0.0110	0.0145
10:00-11:00 HOUR	0.0085	0.0100	0.0144
11:00-12:00 HOUR	0.0079	0.0111	0.0143
12:00-13:00 HOUR	0.0082	0.0116	0.0132
13:00-14:00 HOUR	0.0086	0.0126	0.0141
14:00-15:00 HOUR	0.0100	0.0121	0.0105
15:00-16:00 HOUR	0.0119	0.0132	0.0120
16:00-17:00 HOUR	0.0138	0.0148	0.0117
17:00-18:00 HOUR	0.0134	0.0154	0.0129
18:00-19:00 HOUR	0.0138	0.0160	0.0131
19:00-20:00 HOUR	0.0153	0.0143	0.0141
20:00-21:00 HOUR	0.0174	0.0149	0.0140
21:00-22:00 HOUR	0.0156	0.0124	0.0104
22:00-23:00 HOUR	0.0095	0.0111	0.0108
23:00-00:00 HOUR	0.0098	0.0081	0.0120
00:00-01:00 HOUR	0.0021	0.0079	0.0123
01:00-02:00 HOUR	0.0016	0.0077	0.0130
02:00-03:00 HOUR	0.0022	0.0082	0.0137
03:00-04:00 HOUR	0.0013	0.0095	0.0139
04:00-05:00 HOUR	0.0091	0.0121	0.0156
05:00-06:00 HOUR	0.0078	0.0152	0.0151
06:00-07:00 HOUR	0.0073	0.0170	0.0165

bit 7x

(MR. SIA BANJONGDAIRUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME BANGKOK IN LAND DEVELOPMENT CO., LTD.
ADDRESS 119 MOO 2 KROCH CHU KANG PA-IN F-004 BANGKOK 10110
CONTACT INFORMATION TEL: 081 6511 8210 E-mail: krichda.an@unitedanalyst.com
MEASURING TYPE ANALYST (AIR)
MEASURING DATE JULY 24-25, 2025
MEASURING TIME *
MEASURING METHOD CHEMILUMINESCENCE
MEASURED BY MR. NICHOLSON NIKHAYATKOR

RECEIVED DATE JULY 24-25, 2025
ANALYTICAL DATE JULY 24-25, 2025
ISSUE DATE AUGUST 11, 2025
REPORT NO. 2025-0071459
WORK NO. 2025-010500
ANALYSIS NO. T25AG709-0015 - T25AG709-0021

TIME *	RESULT (ppm)	
	JULY 24-25, 2025 T25AG709-0015	JULY 25-26, 2025 T25AG709-0016
NITROGEN DIOXIDE		
สารไนโตรเจนไดออกไซด์		
07:00-08:00 HOUR	0.0143	0.0136
08:00-09:00 HOUR	0.0128	0.0140
09:00-10:00 HOUR	0.0110	0.0127
10:00-11:00 HOUR	0.0113	0.0121
11:00-12:00 HOUR	0.0117	0.0117
12:00-13:00 HOUR	0.0117	0.0111
13:00-14:00 HOUR	0.0121	0.0120
14:00-15:00 HOUR	0.0111	0.0116
15:00-16:00 HOUR	0.0130	0.0135
16:00-17:00 HOUR	0.0133	0.0136
17:00-18:00 HOUR	0.0146	0.0149
18:00-19:00 HOUR	0.0147	0.0140
19:00-20:00 HOUR	0.0149	0.0151
20:00-21:00 HOUR	0.0154	0.0156
21:00-22:00 HOUR	0.0124	0.0152
22:00-23:00 HOUR	0.0125	0.0152
23:00-00:00 HOUR	0.0144	0.0141
00:00-01:00 HOUR	0.0153	0.0133
01:00-02:00 HOUR	0.0161	0.0126
02:00-03:00 HOUR	0.0166	0.0121
03:00-04:00 HOUR	0.0169	0.0111
04:00-05:00 HOUR	0.0173	0.0113
05:00-06:00 HOUR	0.0161	0.0128
06:00-07:00 HOUR	0.0159	0.0147



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RESULT (ppm)

TIME *	NITROGEN DIOXIDE	
	JULY 24-25, 2025 T25AG709-0015	JULY 25-26, 2025 T25AG709-0016
07:00-08:00 HOUR	0.0155	0.0120
08:00-09:00 HOUR	0.0141	0.0138
09:00-10:00 HOUR	0.0103	0.0098
10:00-11:00 HOUR	0.0091	0.0111
11:00-12:00 HOUR	0.0100	0.0111
12:00-13:00 HOUR	0.0103	0.0123
13:00-14:00 HOUR	0.0111	0.0151
14:00-15:00 HOUR	0.0118	0.0167
15:00-16:00 HOUR	0.0132	0.0193
16:00-17:00 HOUR	0.0138	0.0103
17:00-18:00 HOUR	0.0144	0.0171
18:00-19:00 HOUR	0.0146	0.0160
19:00-20:00 HOUR	0.0151	0.0166
20:00-21:00 HOUR	0.0157	0.0180
21:00-22:00 HOUR	0.0157	0.0140
22:00-23:00 HOUR	0.0140	0.0095
23:00-00:00 HOUR	0.0138	0.0109
00:00-01:00 HOUR	0.0138	0.0092
01:00-02:00 HOUR	0.0144	0.0176
02:00-03:00 HOUR	0.0128	0.0146
03:00-04:00 HOUR	0.0119	0.0137
04:00-05:00 HOUR	0.0129	0.0136
05:00-06:00 HOUR	0.0129	0.0139
06:00-07:00 HOUR	0.0154	0.0153

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(MR. SULA BANTHEDARUK)
LABORATORY SUPERVISOR



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2025-0071459

- End of Analysis Report -



United Analyst and Engineering Consultant Co. Ltd.
350 Uthairat Road, Bangkok, Thailand, Bangkok 10260
Tel: 02-27613329 Fax: 02-27613300 www.laeconsultant.com E-mail: lae@lmcconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : BANGKOK-10 LAMU DEVELOPMENT CO., LTD.
ADDRESS : 1311 MOO 2 KHUANG DOK BANG BANG IN PHRA NAKHON SI ANUTTHAYA 13160
CONTACT INFORMATION : Tel : 08-8111 8110 E-mail : kornkadee@lmc.com

MEASURING PLACE : KUDOMSAKUNTHANAKHIT
MEASURING DATE : JULY 24-31, 2025
MEASURING TIME : 08:00-18:00 HOURS
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : PW NUPHACHON NAKHACHON

RECEIVED DATE : JULY 24-31, 2025
ANALYTICAL DATE : JULY 24-31, 2025
ISSUE DATE : AUGUST 6, 2025
REPORT NO. : 2025-1077-AMG
WORK NO. : 2023-010008
ANALYSIS NO. : T25AQ700-0022 - T25AQ700-0028

TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	ไนโตรเจนไดออกไซด์ (ppm)			
	JULY 24-31, 2025 T25AQ700-0022	JULY 25-31, 2025 T25AQ700-0023	JULY 26-31, 2025 T25AQ700-0024	JULY 24-31, 2025 T25AQ700-0025
	07:00-08:00 HOUR	07:00-08:00 HOUR	07:00-08:00 HOUR	07:00-08:00 HOUR
07:00-08:00 HOUR	0.0125	0.0142	0.0138	0.0145
08:00-09:00 HOUR	0.0132	0.0138	0.0109	0.0140
09:00-10:00 HOUR	0.0086	0.0084	0.0086	0.0113
10:00-11:00 HOUR	0.0100	0.0085	0.0095	0.0136
11:00-12:00 HOUR	0.0115	0.0090	0.0111	0.0134
12:00-13:00 HOUR	0.0116	0.0098	0.0114	0.0124
13:00-14:00 HOUR	0.0125	0.0138	0.0133	0.0133
14:00-15:00 HOUR	0.0143	0.0123	0.0152	0.0140
15:00-16:00 HOUR	0.0156	0.0138	0.0182	0.0158
16:00-17:00 HOUR	0.0153	0.0148	0.0194	0.0148
17:00-18:00 HOUR	0.0149	0.0153	0.0182	0.0142
18:00-19:00 HOUR	0.0139	0.0155	0.0176	0.0141
19:00-20:00 HOUR	0.0142	0.0154	0.0162	0.0155
20:00-21:00 HOUR	0.0115	0.0148	0.0147	0.0146
21:00-22:00 HOUR	0.0130	0.0153	0.0138	0.0144
22:00-23:00 HOUR	0.0115	0.0153	0.0144	0.0152
23:00-00:00 HOUR	0.0116	0.0151	0.0146	0.0147
00:00-01:00 HOUR	0.0116	0.0148	0.0162	0.0134
01:00-02:00 HOUR	0.0129	0.0138	0.0181	0.0148
02:00-03:00 HOUR	0.0141	0.0133	0.0198	0.0141
03:00-04:00 HOUR	0.0145	0.0123	0.0208	0.0138
04:00-05:00 HOUR	0.0130	0.0133	0.0173	0.0138
05:00-06:00 HOUR	0.0140	0.0141	0.0163	0.0148
06:00-07:00 HOUR	0.0148	0.0140	0.0138	0.0145



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ANALYSIS REPORT

CUSTOMER NAME : BANGKOK-10 LAMU DEVELOPMENT CO., LTD.
ADDRESS : 1311 MOO 2 KHUANG DOK BANG BANG IN PHRA NAKHON SI ANUTTHAYA 13160
CONTACT INFORMATION : Tel : 08-8111 8110 E-mail : kornkadee@lmc.com

MEASURING PLACE : KUDOMSAKUNTHANAKHIT
MEASURING DATE : JULY 24-31, 2025
MEASURING TIME : 08:00-18:00 HOURS
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : PW NUPHACHON NAKHACHON

RECEIVED DATE : JULY 24-31, 2025
ANALYTICAL DATE : JULY 24-31, 2025
ISSUE DATE : AUGUST 6, 2025
REPORT NO. : 2025-1077-AMG
WORK NO. : 2023-010008
ANALYSIS NO. : T25AQ700-0022 - T25AQ700-0028

TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	ไนโตรเจนไดออกไซด์ (ppm)			
	JULY 24-31, 2025 T25AQ700-0022	JULY 25-31, 2025 T25AQ700-0023	JULY 26-31, 2025 T25AQ700-0024	JULY 24-31, 2025 T25AQ700-0025
	07:00-08:00 HOUR	07:00-08:00 HOUR	07:00-08:00 HOUR	07:00-08:00 HOUR
07:00-08:00 HOUR	0.0155	0.0154	0.0145	0.0164
08:00-09:00 HOUR	0.0133	0.0142	0.0140	0.0140
09:00-10:00 HOUR	0.0113	0.0114	0.0113	0.0113
10:00-11:00 HOUR	0.0085	0.0115	0.0136	0.0087
11:00-12:00 HOUR	0.0090	0.0108	0.0134	0.0089
12:00-13:00 HOUR	0.0095	0.0122	0.0124	0.0089
13:00-14:00 HOUR	0.0094	0.0138	0.0133	0.0094
14:00-15:00 HOUR	0.0083	0.0158	0.0140	0.0089
15:00-16:00 HOUR	0.0106	0.0167	0.0163	0.0100
16:00-17:00 HOUR	0.0131	0.0168	0.0158	0.0108
17:00-18:00 HOUR	0.0136	0.0168	0.0148	0.0112
18:00-19:00 HOUR	0.0137	0.0166	0.0140	0.0114
19:00-20:00 HOUR	0.0136	0.0174	0.0150	0.0118
20:00-21:00 HOUR	0.0140	0.0168	0.0147	0.0113
21:00-22:00 HOUR	0.0137	0.0167	0.0147	0.0107
22:00-23:00 HOUR	0.0135	0.0165	0.0143	0.0099
23:00-00:00 HOUR	0.0131	0.0155	0.0161	0.0098
00:00-01:00 HOUR	0.0137	0.0153	0.0164	0.0104
01:00-02:00 HOUR	0.0138	0.0153	0.0192	0.0112
02:00-03:00 HOUR	0.0144	0.0152	0.0204	0.0114
03:00-04:00 HOUR	0.0147	0.0147	0.0179	0.0108
04:00-05:00 HOUR	0.0134	0.0142	0.0170	0.0114
05:00-06:00 HOUR	0.0148	0.0141	0.0159	0.0118
06:00-07:00 HOUR	0.0155	0.0146	0.0160	0.0145

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(HE SILA BANONGDAIRUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : BANGKAI LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 3 KHAENG CHAI BANG PAO ON PHRA BHOON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL: 08-6511 8153 E-mail: khaibai@khaibai.com

MEASURING PLACE : AMBIENT
MEASURING DATE : JULY 24-31, 2025
MEASURING TIME :
MEASURING METHOD : (S) FLUORESCENCE
MEASURED BY : MS. NONTADON NANTHAKORN

RECEIVED DATE : JULY 24-31, 2025
ANALYTICAL DATE : JULY 24-31, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-UE71461
WORK NO. : 2023-010500
ANALYSIS NO. : T256Q709-0001 - T256Q709-0007

TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	JULY 24-25, 2025 T256Q709-0001	JULY 25-26, 2025 T256Q709-0002	JULY 26-27, 2025 T256Q709-0003	
07:00-08:00 HOUR	0.0020	0.0026	0.0029	
08:00-09:00 HOUR	0.0034	0.0018	0.0026	
09:00-10:00 HOUR	0.0037	0.0012	0.0022	
10:00-11:00 HOUR	0.0030	0.0009	0.0018	
11:00-12:00 HOUR	0.0018	0.0007	0.0016	
12:00-13:00 HOUR	0.0018	0.0010	0.0024	
13:00-14:00 HOUR	0.0016	0.0010	0.0022	
14:00-15:00 HOUR	0.0005	0.0015	0.0019	
15:00-16:00 HOUR	0.0019	0.0014	0.0029	
16:00-17:00 HOUR	0.0017	0.0019	0.0029	
17:00-18:00 HOUR	0.0025	0.0023	0.0024	
18:00-19:00 HOUR	0.0025	0.0027	0.0024	
19:00-20:00 HOUR	0.0023	0.0021	0.0013	
20:00-21:00 HOUR	0.0020	0.0010	0.0024	
21:00-22:00 HOUR	0.0032	0.0025	0.0034	
22:00-23:00 HOUR	0.0030	0.0027	0.0034	
23:00-00:00 HOUR	0.0027	0.0020	0.0031	
00:00-01:00 HOUR	0.0038	0.0018	0.0033	
01:00-02:00 HOUR	0.0028	0.0016	0.0010	
02:00-03:00 HOUR	0.0024	0.0016	0.0027	
03:00-04:00 HOUR	0.0023	0.0020	0.0033	
04:00-05:00 HOUR	0.0029	0.0029	0.0033	
05:00-06:00 HOUR	0.0028	0.0011	0.0032	
06:00-07:00 HOUR	0.0031	0.0020	0.0028	
AVERAGE 24 HOUR	0.0023	0.0020	0.0027	



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RESULT (ppm)

SULPHUR DIOXIDE

TIME *	JULY 24-25, 2025 T256Q709-0001				JULY 25-26, 2025 T256Q709-0002				JULY 26-27, 2025 T256Q709-0003				JULY 28-31, 2025 T256Q709-0004			
07:00-08:00 HOUR	0.0018	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
08:00-09:00 HOUR	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
09:00-10:00 HOUR	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
10:00-11:00 HOUR	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
11:00-12:00 HOUR	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
12:00-13:00 HOUR	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
13:00-14:00 HOUR	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
14:00-15:00 HOUR	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
15:00-16:00 HOUR	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
16:00-17:00 HOUR	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
17:00-18:00 HOUR	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
18:00-19:00 HOUR	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
19:00-20:00 HOUR	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
20:00-21:00 HOUR	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
21:00-22:00 HOUR	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
22:00-23:00 HOUR	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
23:00-00:00 HOUR	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
00:00-01:00 HOUR	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
01:00-02:00 HOUR	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
02:00-03:00 HOUR	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
03:00-04:00 HOUR	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
04:00-05:00 HOUR	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
05:00-06:00 HOUR	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
06:00-07:00 HOUR	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
AVERAGE 24 HOUR	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021

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(MR. SULA BANGKOKAIRUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : BANGPAKIN UNDO DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KILONGTOK BANG PA-IN NONG NAKHON SI ANUTTHAYA, 11160
CONTACT INFORMATION : TEL : 08 6511 8110 e-mail : krishali@unitedanalyst.com
MEASURING TYPE : AMBIENT (AQI)
MEASURING DATE : JULY 24-31, 2023
MEASURING TIME : *
MEASURING METHOD : BY FLUORISCENCE
MEASURED BY : MR. NUTPADON MIAMNONGHAI

RECEIVED DATE : JULY 24-31, 2023
ANALYTICAL DATE : JULY 24-31, 2023
ISSUE DATE : AUGUST 11, 2023
REPORT NO. : 2023-0071463
WORK NO. : 2023-00500
ANALYSIS NO. : T25AQ709-0015 - T25AQ709-0021

TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	MAY 24-31, 2023 T25AQ709-0015	MAY 24-31, 2023 T25AQ709-0016	MAY 24-31, 2023 T25AQ709-0017	MAY 24-31, 2023 T25AQ709-0018
07:00-08:00 HOUR	0.0032	0.0038	0.0019	
08:30-09:00 HOUR	0.0019	0.0015	0.0022	
09:30-10:00 HOUR	0.0017	0.0014	0.0017	
10:30-11:00 HOUR	0.0018	0.0010	0.0015	
11:00-12:00 HOUR	0.0010	0.0006	0.0018	
13:00-13:30 HOUR	0.0017	0.0006	0.0022	
14:00-15:00 HOUR	0.0015	0.0010	0.0019	
15:00-16:00 HOUR	0.0020	0.0011	0.0018	
16:00-17:00 HOUR	0.0028	0.0025	0.0029	
17:00-18:00 HOUR	0.0033	0.0033	0.0019	
18:00-19:00 HOUR	0.0034	0.0031	0.0021	
19:30-20:00 HOUR	0.0022	0.0023	0.0019	
20:30-21:00 HOUR	0.0023	0.0021	0.0019	
21:00-22:00 HOUR	0.0022	0.0025	0.0021	
22:00-23:00 HOUR	0.0029	0.0028	0.0021	
23:00-00:00 HOUR	0.0025	0.0025	0.0025	
00:00-01:00 HOUR	0.0016	0.0029	0.0029	
01:00-02:00 HOUR	0.0023	0.0025	0.0029	
02:00-03:00 HOUR	0.0010	0.0010	0.0020	
03:00-04:00 HOUR	0.0034	0.0021	0.0022	
04:00-05:00 HOUR	0.0038	0.0024	0.0020	
05:00-06:00 HOUR	0.0023	0.0029	0.0022	
06:00-07:00 HOUR	0.0024	0.0028	0.0023	
AVERAGE 24 HOUR	0.0023	0.0021	0.0020	



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RESULT (ppm)

TIME *	SULPHUR DIOXIDE			
	SULPHUR DIOXIDE			
	MAY 27-28, 2023 T25AQ709-0019	MAY 27-28, 2023 T25AQ709-0020	MAY 27-28, 2023 T25AQ709-0021	MAY 27-28, 2023 T25AQ709-0022
07:00-08:00 HOUR	0.0022	0.0022	0.0028	0.0017
08:00-09:00 HOUR	0.0024	0.0038	0.0023	0.0014
09:00-10:00 HOUR	0.0019	0.0019	0.0019	0.0019
10:00-11:00 HOUR	0.0010	0.0006	0.0018	0.0011
11:00-12:00 HOUR	0.0023	0.0028	0.0017	0.0008
12:00-13:00 HOUR	0.0021	0.0006	0.0019	0.0006
13:00-14:00 HOUR	0.0018	0.0017	0.0021	0.0009
14:00-15:00 HOUR	0.0018	0.0016	0.0021	0.0016
15:00-16:00 HOUR	0.0022	0.0034	0.0023	0.0022
16:00-17:00 HOUR	0.0032	0.0025	0.0024	0.0031
17:00-18:00 HOUR	0.0033	0.0033	0.0027	0.0024
18:00-19:00 HOUR	0.0031	0.0036	0.0024	0.0021
19:00-20:00 HOUR	0.0016	0.0028	0.0023	0.0017
20:00-21:00 HOUR	0.0021	0.0030	0.0020	0.0018
21:00-22:00 HOUR	0.0025	0.0026	0.0021	0.0019
22:00-23:00 HOUR	0.0020	0.0031	0.0022	0.0012
23:00-00:00 HOUR	0.0015	0.0023	0.0018	0.0011
00:00-01:00 HOUR	0.0022	0.0026	0.0019	0.0008
01:00-02:00 HOUR	0.0014	0.0018	0.0020	0.0010
02:00-03:00 HOUR	0.0015	0.0032	0.0021	0.0008
03:00-04:00 HOUR	0.0022	0.0028	0.0020	0.0011
04:00-05:00 HOUR	0.0029	0.0029	0.0021	0.0012
05:00-06:00 HOUR	0.0024	0.0029	0.0024	0.0020
06:00-07:00 HOUR	0.0022	0.0027	0.0026	0.0029
AVERAGE 24 HOUR	0.0022	0.0023	0.0022	0.0017

hcl 7x
[MR. SITA BANGKONGKARUK]
LABORATORY SUPERVISOR



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350 (Jalan Suk 41), Sukhumvit Road, Bangkok, Thailand 10110

Tel: 02-2763 2808 Fax: 02-2763 2809 www.laeconsultant.com E-mail: uae@laeconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : BANGKALIN (LAND DEVELOPMENT) CO., LTD.

ADDRESS : 131 MUO 2 KHUANG CHAI BANG PA-IN PHRA BANGKON SI AYUTTHAYA 13160

CONTACT INFORMATION : TEL : 08 6811 8130 e-mail : kirtasalee.s@bangkalin.com

MEASURING PLACE : 131 MUO 2 KHUANG CHAI BANG PA-IN PHRA BANGKON SI AYUTTHAYA 13160

MEASURING TYPE : AMBIENT (AIR)

MEASURING DATE : JULY 24-31, 2025

MEASURING TIME : *

MEASURING METHOD : UV-FLUORESCENCE

MEASURED BY : MS SUPPACHON NUNYANTON

RECEIVED DATE : JULY 24-31, 2025

ANALYTICAL DATE : JULY 24-31, 2025

ISSUE DATE : AUGUST 8, 2025

REPORT NO. : 2025-UET1464

WORK NO. : 2023-610500

ANALYSIS NO. : T759Q709-0022 - T759Q709-0028

TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	ค่าเฉลี่ยรวมของข้อมูลทั้งหมด			
	JULY 24-25, 2025		JULY 26-31, 2025	
	T759Q709-0022	T759Q709-0023	T759Q709-0024	T759Q709-0025
07:00-08:00 HOUR	0.0016	0.0018	0.0029	
08:00-09:00 HOUR	0.0017	0.0024	0.0018	
09:00-10:00 HOUR	0.0014	0.0020	0.0017	
10:00-11:00 HOUR	0.0016	0.0019	0.0014	
11:00-12:00 HOUR	0.0011	0.0013	0.0016	
12:00-13:00 HOUR	0.0014	0.0020	0.0016	
13:00-14:00 HOUR	0.0020	0.0017	0.0032	
14:00-15:00 HOUR	0.0020	0.0024	0.0025	
15:00-16:00 HOUR	0.0014	0.0027	0.0021	
16:00-17:00 HOUR	0.0028	0.0032	0.0026	
17:00-18:00 HOUR	0.0030	0.0035	0.0034	
18:00-19:00 HOUR	0.0035	0.0035	0.0022	
19:00-20:00 HOUR	0.0032	0.0035	0.0026	
20:00-21:00 HOUR	0.0026	0.0031	0.0027	
21:00-22:00 HOUR	0.0026	0.0019	0.0023	
22:00-23:00 HOUR	0.0025	0.0023	0.0024	
23:00-00:00 HOUR	0.0028	0.0027	0.0022	
00:00-01:00 HOUR	0.0026	0.0029	0.0027	
01:00-02:00 HOUR	0.0015	0.0022	0.0012	
02:00-03:00 HOUR	0.0019	0.0018	0.0011	
03:00-04:00 HOUR	0.0019	0.0020	0.0014	
04:00-05:00 HOUR	0.0025	0.0026	0.0018	
05:00-06:00 HOUR	0.0020	0.0030	0.0034	
06:00-07:00 HOUR	0.0021	0.0031	0.0029	
AVERAGE 24 HOUR	0.0022	0.0023	0.0021	



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Tel: 02-2763 2808 Fax: 02-2763 2809 www.laeconsultant.com E-mail: uae@laeconsultant.com

RESULT (ppm)

SULPHUR DIOXIDE

ค่าเฉลี่ยรวมของข้อมูลทั้งหมด

TIME *	JULY 24-25, 2025		JULY 26-31, 2025	
	T759Q709-0022	T759Q709-0023	T759Q709-0024	T759Q709-0025
07:00-08:00 HOUR	0.0026	0.0027	0.0024	0.0023
08:00-09:00 HOUR	0.0024	0.0019	0.0024	0.0022
09:00-10:00 HOUR	0.0018	0.0015	0.0022	0.0015
10:00-11:00 HOUR	0.0015	0.0011	0.0020	0.0010
11:00-12:00 HOUR	0.0015	0.0008	0.0017	0.0017
12:00-13:00 HOUR	0.0018	0.0010	0.0017	0.0020
13:00-14:00 HOUR	0.0022	0.0012	0.0020	0.0018
14:00-15:00 HOUR	0.0027	0.0013	0.0021	0.0024
15:00-16:00 HOUR	0.0023	0.0014	0.0027	0.0028
16:00-17:00 HOUR	0.0028	0.0016	0.0032	0.0027
17:00-18:00 HOUR	0.0031	0.0022	0.0031	0.0027
18:00-19:00 HOUR	0.0027	0.0021	0.0028	0.0023
19:00-20:00 HOUR	0.0023	0.0021	0.0028	0.0028
20:00-21:00 HOUR	0.0023	0.0026	0.0025	0.0028
21:00-22:00 HOUR	0.0025	0.0027	0.0025	0.0023
22:00-23:00 HOUR	0.0021	0.0035	0.0026	0.0021
23:00-00:00 HOUR	0.0015	0.0026	0.0022	0.0023
00:00-01:00 HOUR	0.0018	0.0029	0.0021	0.0026
01:00-02:00 HOUR	0.0021	0.0037	0.0025	0.0026
02:00-03:00 HOUR	0.0015	0.0024	0.0021	0.0023
03:00-04:00 HOUR	0.0018	0.0023	0.0024	0.0026
04:00-05:00 HOUR	0.0025	0.0025	0.0022	0.0022
05:00-06:00 HOUR	0.0022	0.0032	0.0021	0.0023
06:00-07:00 HOUR	0.0022	0.0022	0.0027	0.0025
AVERAGE 24 HOUR	0.0022	0.0023	0.0027	0.0023

447 78

(MR. SULA BANGJONGJAEK)
LABORATORY SUPERVISOR



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ภาคผนวก ข-3

ใบรายงานผลการติดตามตรวจสอบ
ระดับเสียงโดยทั่วไป



ANALYSIS REPORT

CUSTOMER NAME	BANGKOK LAND DEVELOPMENT CO., LTD.	
ADDRESS	139 NO. 2 KHUANG CHAI BANG PAE IN PHIA NAKHON SI AYUTTHAYA 11160	
CONTACT INFORMATION	TEL : 08 5511 8120 e-mail : kscsachai@buddhai.com	
MEASURING SOURCE	Sensaphon	
MEASURING TYPE	AMBIENT (NCESE)	
MEASURING TIME	JULY 25-26, 2025	
MEASURING METHOD	* INTERGRATED SOUND LEVEL METER **	
MEASURED BY	POL. KORNMAKORN NAKHONCHON	
	RECEIVED DATE	JULY 25-26, 2025
	ANALYTICAL DATE	JULY 26-28, 2025
	ISSUE DATE	AUGUST 01, 2025
	REPORT NO.	2025-UECTM6
	WORK NO.	2025-010008
	ANALYSIS NO.	T2560710-0001 - T2560710-0003

[illegible]



United Analyst and Engineering Consultant Co., Ltd.

159 Uthairat 41, Sukhumvit Road, Bangkok, Thailand 10260

Tel 02-763 2531 Fax 0 2763 2800 www.laeconsultant.com E-mail: lae@laeconsultant.com

TIME*	RESULT dB(A)	
	Layer 1 hour	Layer 2 hour
07:00-08:00 HOUR	52.2	70.0
08:00-09:00 HOUR	52.2	70.5
09:00-10:00 HOUR	52.0	70.7
10:00-11:00 HOUR	51.9	69.8
11:00-12:00 HOUR	50.7	69.5
12:00-13:00 HOUR	54.8	70.8
13:00-14:00 HOUR	55.7	69.4
14:00-15:00 HOUR	56.9	74.1
15:00-16:00 HOUR	56.4	70.4
16:00-17:00 HOUR	54.6	75.7
17:00-18:00 HOUR	55.7	71.8
18:00-19:00 HOUR	55.7	70.5
19:00-20:00 HOUR	50.9	72.5
20:00-21:00 HOUR	50.9	70.4
21:00-22:00 HOUR	47.0	72.5
22:00-23:00 HOUR	47.0	72.5
23:00-00:00 HOUR	47.0	72.5
00:00-01:00 HOUR	47.0	72.5
01:00-02:00 HOUR	47.0	72.5
02:00-03:00 HOUR	47.0	72.5
03:00-04:00 HOUR	47.0	72.5
04:00-05:00 HOUR	47.0	72.5
05:00-06:00 HOUR	47.0	72.5
06:00-07:00 HOUR	47.0	72.5
Layer 24 hours	55.7	72.5
Layer 24 hours	55.7	72.5

REMARK: ** ISO 1996-1:2016

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS.

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR

CONTROL LING NOISE AND VIBRATION, DATED NOVEMBER 2, B.E. 2548

** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR

AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2551, DATED DECEMBER 20, B.E. 2553



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ANALYSIS REPORT

CUSTOMER NAME

ADDRESS

CONTACT INFORMATION

MEASURING SOURCE

MEASURING TYPE

MEASURING DATE

MEASURING TIME

MEASURING METHOD

MEASURED BY

RECEIVED DATE

ANALYTICAL DATE

ISSUE DATE

REPORT NO.

WORK NO.

ANALYSIS NO.

RESULT dB(A)

JULY 25-26, 2025

T25AQ710-0004

Layer 1 hour

55.9

72.3

72.6

70.3

70.3

70.3

70.3

70.3

70.3

70.3

70.3

70.3

70.3

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ANALYSIS REPORT

CUSTOMER NAME : BANGKOK LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHAI BANG PAE IN THA MAHON SI AYUTTHAYA 13180
CONTACT INFORMATION : TEL : (0) 6511 8130 e-mail : lae@lae.com lae@lae.com
MEASURING SOURCES : Vibration
MEASURING TYPE : AMBIENT (VIBRE)
MEASURING DATE : JULY 25-26, 2025
MEASURING TIME : 20:00-21:00 HOURS
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **
MEASURED BY : MR. RUPHACHON MANNICHIM

RECEIVED DATE : JULY 25-26, 2025
ANALYTICAL DATE : JULY 25-26, 2025
ISSUE DATE : AUGUST 8, 2025
REPORT NO. : 2025-0071488
WORK NO. : 2025-010508
ANALYSIS NO. : T25AQ710-0007 - T25AQ710-0009

TIME*	RESULT dB(A)	
	มาตรฐาน	
	JULY 25-26, 2025	
	T25AQ710-0007	
	Lamin 1 hour	Lamin 1 hour
07:00-08:00 HOUR	54.9	67.0
08:00-09:00 HOUR	43.0	68.6
09:00-10:00 HOUR	44.2	58.2
10:00-11:00 HOUR	44.9	57.5
11:00-12:00 HOUR	46.4	65.2
12:00-13:00 HOUR	45.5	63.6
13:00-14:00 HOUR	47.9	68.0
14:00-15:00 HOUR	46.2	63.2
15:00-16:00 HOUR	46.6	58.1
16:00-17:00 HOUR	47.7	60.8
17:00-18:00 HOUR	50.1	62.2
18:00-19:00 HOUR	46.9	56.1
19:00-20:00 HOUR	48.0	55.8
20:00-21:00 HOUR	50.2	58.3
21:00-22:00 HOUR	52.3	56.7
22:00-23:00 HOUR	51.6	54.4
23:00-00:00 HOUR	51.1	63.7
00:00-01:00 HOUR	48.8	60.3
01:00-02:00 HOUR	51.5	65.5
02:00-03:00 HOUR	50.1	73.1
03:00-04:00 HOUR	48.8	67.6
04:00-05:00 HOUR	46.4	59.8
05:00-06:00 HOUR	47.5	62.3
06:00-07:00 HOUR	46.4	65.3
		49.2
		55.8



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ANALYSIS REPORT

TIME*	RESULT dB(A)	
	มาตรฐาน	
JULY 26-27, 2025		
T25AQ710-0008		
	Lamin 1 hour	Lamin 1 hour
07:00-08:00 HOUR	47.7	62.1
08:00-09:00 HOUR	43.7	61.0
09:00-10:00 HOUR	43.6	57.2
10:00-11:00 HOUR	45.3	56.1
11:00-12:00 HOUR	45.6	70.4
12:00-13:00 HOUR	47.9	61.4
13:00-14:00 HOUR	48.2	65.4
14:00-15:00 HOUR	48.8	71.3
15:00-16:00 HOUR	45.8	53.6
16:00-17:00 HOUR	45.9	53.7
17:00-18:00 HOUR	45.3	54.6
18:00-19:00 HOUR	44.0	51.4
19:00-20:00 HOUR	45.3	56.1
20:00-21:00 HOUR	45.7	65.1
21:00-22:00 HOUR	44.6	48.7
22:00-23:00 HOUR	47.9	52.7
23:00-00:00 HOUR	48.7	55.6
00:00-01:00 HOUR	47.9	55.6
01:00-02:00 HOUR	48.8	78.3
02:00-03:00 HOUR	47.7	68.8
03:00-04:00 HOUR	48.6	68.0
04:00-05:00 HOUR	46.7	71.0
05:00-06:00 HOUR	45.1	54.4
06:00-07:00 HOUR	42.5	65.1
Lamin 24 hours		46.8
Lamin		53.8



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ใบรายงานผลการติดตามตรวจสอบ

คุณภาพน้ำผิวดิน



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLE TYPE : อุตสาหกรรม/โรงงานอุตสาหกรรม
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 11:50 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-12, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083164
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT428-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25AT428-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOG)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B AND 1060 B	7.1 (30.9°C)	-	-
DISSOLVED OXYGEN ^b	mg/L	AZIDE MODIFICATION METHOD (AT SITE) SM PART 4500-O C	1.1	0.5	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM PART 5210 B AND PART 4500-O C)	5.4	-	1.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM PART 2540 D)	15.4	-	5.0
AMMONIA-NITROGEN ^f	mg/L NH ₃ -N	DISTILLATION NESSLERIZATION METHOD	3.33	0.20	0.50
NITRATE-NITROGEN ^f	mg/L NO ₃ -N	CADMIUM REDUCTION METHOD (SM PART 4500-NO ₃ E)	ND	0.02	0.10
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM.005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM.005 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM.005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM.002 BASED ON SM PART 312 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE TP-HEM.005 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.050

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25AT428-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOG)
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM PART 9221 B AND C)	>160,000	18	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM PART 9221 B, C AND E)	92,000	18	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2003.

ND : NOT DETECTED

< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.004 AND < 0.025 mg/L, NICKEL ≥ 0.005 AND < 0.050 mg/L).

Peyawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLE TYPE : คลองพรต้ำในคลองชลประทาน ทางจากอุโมงค์สร้างจากท่อประปาและท่อระบายน้ำขนาด 300 มม.
SAMPLING DATE : SURFACE WATER
SAMPLING TIME : 11:30 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR KANADON KRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-12, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083165
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT428-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25AT428-0002	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a		ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B AND 1060 B	7.9 (30.0°C)	-	-
DISSOLVED OXYGEN ^f	mg/L	AZIDE MODIFICATION METHOD (AT SITE) SM PART 4500-O C	3.9	0.5	-
BIO-CHEMICAL OXYGEN DEMAND ^o	mg/L	AZIDE MODIFICATION METHOD (SM PART 5210 B AND PART 4500-O C)	3.8	-	1.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM PART 2540 D)	19.8	-	5.0
AMMONIA-NITROGEN ^f	mg/L NH ₃ -N	DISTILLATION Nesslerization METHOD	1.19	0.20	0.50
NITRATE-NITROGEN ^f	mg/L NO ₃ -N	CADMIUM REDUCTION METHOD (SM PART 4500-NO ₃ E)	0.28	0.02	0.10
METALS					
CADMIUM ^a	mg/L Cd	UAE TP HEM-005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXA-VALENT CHROMIUM ^f	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP HEM-005 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP HEM-005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE TP HEM-002 BASED ON SM PART 3112 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE TP HEM-005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25AT428-0002	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM PART 9221 B AND C)	4,600	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM PART 9221 B, C AND E)	2,400	1.8	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

ND : NOT DETECTED.

< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.004 AND < 0.025 mg/L).

Peyawan V.
(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaconsultant.com E-mail: ua@uaconsultant.com

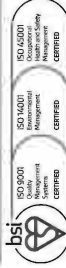
NSC-TISI-TIS 17025
TESTING
No. 0063
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada aa@hotmail.com
SAMPLING SOURCE : คลองพรหม บ้านคลองพรหม หมู่ 1 ตำบลบ้านพรหม อำเภอบางน้ำเปรี้ยว จังหวัดพระนครศรีอยุธยา
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 11:45 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-12, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083166
WORK NO. : 2023-010508
ANALYSIS NO. : T25A1428-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25A1428-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a		ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.1 (32.7°C)	-	-
DISSOLVED OXYGEN ^f	mg/L	AZIDE MODIFICATION METHOD (AT SITE) SM: PART 4500-O ₂ C	4.3	0.5	-
BIOCHEMICAL OXYGEN DEMAND ^g	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O ₂ C)	3.3	-	10
TOTAL SUSPENDED SOLIDS ^h	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	23.3	-	5.0
AMMONIA-NITROGEN ^e	mg/L NH ₃ -N	DISTILLATION NESSLERIZATION METHOD	0.89	0.20	0.50
NITRATE-NITROGEN ^e	mg/L NO ₃ -N	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ -E)	0.22	0.02	0.10
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM.005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^f	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM.005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM.005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM.002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE TP-HEM.005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.005	0.050



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NSC-TISI-TIS 17025
TESTING
No. 0063
TESTING 0207

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25A1428-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	17,000	18	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	1,100	18	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT					
			YELLOW/TURBID BROWN		

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

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

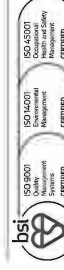
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

ND : NOT DETECTED

Peyamun V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



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2025-U083166

- End of Analysis Report -

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25B8522-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM PART 9221B AND C)	1:100	18	-
FALCAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM PART 9221B, C AND E)	680	18	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT					
			YELLOW/CLEAR BROWN		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

ND : NOT DETECTED.

Piyapat S.
(MRS PIYAPAT SUTTAMANIWONG)
LABORATORY SUPERVISOR



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2025-U114861

- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHILONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : krisada-aa@hotmail.com
SAMPLE SOURCE : สำนักงานที่ดินจังหวัดอ่างทอง 1
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : DECEMBER 4, 2025
SAMPLING TIME : 13:32 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR PHATSAMUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : DECEMBER 4, 2025
ANALYTICAL DATE : DECEMBER 4-17, 2025
ISSUE DATE : DECEMBER 19, 2025
REPORT NO. : 2025-U114861
WORK NO. : 2023-010508
ANALYSIS NO. : T25B8522-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25B8522-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B AND 1060 B	6.9 (28.5°C)	-	-
DISSOLVED OXYGEN ^c	mg/L	AZIDE MODIFICATION METHOD (AT SITE) SM PART 4500-O C	3.9	0.5	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM PART 5210 B AND PART 4500-O C)	3.2	-	1.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM PART 2540 D)	< 5.0	-	5.0
AMMONIA-NITROGEN ^c	mg/L NH ₃ -N	DISTILLATION NESSLERIZATION METHOD	2.60	0.20	0.50
NITRATE-NITROGEN ^c	mg/L NO ₃ -N	CADMIUM REDUCTION METHOD (SM PART 4500-NO ₃ E)	0.18	0.02	0.10
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM 005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^c	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM 002 BASED ON SM PART 3112 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE TP-HEM 005 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050

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bsi

ISO 9001	Quality Management Systems	CERTIFIED
ISO 14001	Environmental Management	CERTIFIED
ISO 45001	Occupational Health and Safety Management	CERTIFIED

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

2/2

2025-U114863

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ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KILOM CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : krtisada-aa@hotmail.com
SAMPLE SOURCE : คลองทราย ตำบลคลองทราย อำเภอสามพราน จังหวัดนครปฐม
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : DECEMBER 4, 2025
SAMPLING TIME : 14:35 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR PHATSAMUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : DECEMBER 4, 2025
ANALYTICAL DATE : DECEMBER 4-17, 2025
ISSUE DATE : DECEMBER 19, 2025
REPORT NO. : 2025-U114864
WORK NO. : 2023-010508
ANALYSIS NO. : T25B8522-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25B8522-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B AND 1060 B	7.4 (26.9°C)	-	-
DISSOLVED OXYGEN ^b	mg/L	AZIDE MODIFICATION METHOD (AT SITE) SM PART 4500-O C	3.7	0.5	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	18	-	10
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	7.9	-	5.0
AMMONIA-NITROGEN ^c	mg/L NH ₃ -N	DISTILLATION Nesslerization METHOD	ND	0.20	0.50
NITRATE-NITROGEN ^c	mg/L NO ₃ -N	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ E)	< 0.10	0.02	0.10
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM 005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^c	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM 002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE TP-HEM 005 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.005	0.050

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT SURFACE WATER T25B8522-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	4,900	18	-
FACICAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	1,300	18	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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ND : NOT DETECTED.

Piyapat S.
(MRS PIYAPAT SUTTAMANIWONG)
LABORATORY SUPERVISOR

ภาคผนวก ข-5

ใบรายงานผลติดตามตรวจสอบคุณภาพน้ำเสีย
และน้ำทิ้งจากระบบบำบัดน้ำเสียส่วนกลาง
บริษัท แอนาไลติกอล ลาบอราทอรีส์ เซอร์วิส จำกัด



TEST REPORT

Report : ALS (AY.) No. 0810/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลสุราษฎร์ธานี)
Address : อาคารศูนย์บริการทางการแพทย์โรงพยาบาลสุราษฎร์ธานี ชั้น 2
138 หมู่ 2 ถนนสายหลวง อ.เมือง จ.สุราษฎร์ธานี
เลขหมายโทรศัพท์ 13160
TEL : (035) 262265-88 FAX : (035) 262269
Reported Date : July 18, 2025
Received Date : July 2, 2025
Analytical Date : July 2 - 18, 2025
Analysis NO. : AY W / 2265/25
Sample Description : Wastewater
Collected By : Tapasorn Sriporaya
Sampling Time : 06.10 H.

P. 10

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD. *
pH (at 26.6 °C)	-	Electrometric	7.5	5.5-9.0
BOD	mg / l	5 Day BOD Test	28.9	500
COD	mg / l	Closed Reflux	111	750
Suspended Solids	mg / l	Dried at 103-105 °C	20	200
TKN	mg / l	Macro - Kjeldahl	6.7	100
Oil & Grease	mg / l	Liquid-Liquid Partition-Gravimetric	3.5	10
Temperature	°C	Laboratory and Field	28.6	45
Sample Condition		Observation	ปกติ	-

* มาตรฐานการตรวจสอบคุณภาพน้ำตามมาตรฐานของประเทศไทย (TWS) 2567 หรือ ค่าตามมาตรฐานของกรมควบคุมมลพิษ (กรมควบคุมมลพิษ) ฉบับที่ 10
เป็นมาตรฐานบังคับ (บังคับใช้)

Remark : Reported results refer to submitted samples only.

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บริษัท แอลเอสเซอร์วิส จำกัด
ได้รับมอบหมายให้ตรวจสอบคุณภาพน้ำตามมาตรฐาน TWS 2567



T. Sriporaya (for)
(Chantip Anurum)
Laboratory Manager

M. Sriporaya (for)
(Supornphan Bunluechai)
Managing Director

Analyst
T - 02651 - 8 - 0002

T - 02651 - 8 - 0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

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FAX : 02-261-1614, 02-261-1612 E-mail address : als@alslab.com, www.alslab.com

ANUTTHASA, 811077 278 Sukumvit Rd., Bangkok, Thailand 10120 E-mail address : als@alslab.com, www.alslab.com TEL : 02-261-1611, 02-261-1614, 02-261-1615

TEST REPORT

Report : ALS (AY.) No. 0810/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลสุราษฎร์ธานี)
Address : อาคารศูนย์บริการทางการแพทย์โรงพยาบาลสุราษฎร์ธานี ชั้น 2
138 หมู่ 2 ถนนสายหลวง อ.เมือง จ.สุราษฎร์ธานี
เลขหมายโทรศัพท์ 13160
TEL : (035) 262265-88 FAX : (035) 262269
Reported Date : July 18, 2025
Received Date : July 2, 2025
Analytical Date : July 2 - 18, 2025
Analysis NO. : AY W / 2265/25
Sample Description : Wastewater
Collected By : Tapasorn Sriporaya
Sampling Time : 06.10 H.

P. 22

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD. *
Phosphorus as P (i)	mg / l	Ascorbic Acid	1.00	-
Flow Rate (i)	m ³ /hr	-	598	-
Odour (i)	-	-	Normal	Normal
Sample Condition		Observation	ปกติ	-

* มาตรฐานการตรวจสอบคุณภาพน้ำตามมาตรฐานของประเทศไทย (TWS) 2567 หรือ ค่าตามมาตรฐานของกรมควบคุมมลพิษ (กรมควบคุมมลพิษ) ฉบับที่ 10
เป็นมาตรฐานบังคับ (บังคับใช้)

(i) ข้อมูลเป็นข้อมูลเบื้องต้นเท่านั้น

Remark : Reported results refer to submitted samples only.

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T. Sriporaya (for)
(Chantip Anurum)
Laboratory Manager

M. Sriporaya (for)
(Supornphan Bunluechai)
Managing Director

Analyst
T - 02651 - 8 - 0002

T - 02651 - 8 - 0001

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FAX : 02-261-1614, 02-261-1612 E-mail address : als@alslab.com, www.alslab.com

ANUTTHASA, 811077 278 Sukumvit Rd., Bangkok, Thailand 10120 E-mail address : als@alslab.com, www.alslab.com TEL : 02-261-1611, 02-261-1614, 02-261-1615

TEST REPORT

P. 1/1

Report : ALS (BKK) No. 1864/25
Client : บริษัท ซีพีเอฟ จำกัด (มหาชน)
(โครงการบ้านมั่นคง)
Address : อาคารศูนย์พัฒนาการเกษตรอินทรีย์และสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 อ.บางพลีใหญ่ จ.สมุทรปราการ
เลขหมายโทรศัพท์ : 131603
Sample No. : (BKK) W73240
Collected By : สุชาติ พัทธมาสารภักดิ์
Sampling Time : 09:10 น.
Reported Date : July 18, 2025
Received Date : July 2, 2025
Analytical Date : July 2 - 18, 2025
Sample Description : Wastewater
Collected By : Topkiam Bunlueam
Sampling Time : 09:10 น.

Sample Description : Waste water, Physical Appearance : Cloudy gray, total volume SL / Ref. AYW / 2285
Sampling Date : July 2, 2025
TEL : (035) 26266-68, FAX : (035) 26266-60

Parameter	Unit	Method of Analysis	Result		Standard
			Influent (Inlet Equalization Tank)		
Colour	ADMI	ADMI Weighpot Ordinate Spectrophotometric Method (SM 2023-21-209)	(pH 7.52) 19.22 (pH 7.00) 25.52		600

Remark : ไม่พบการปนเปื้อนสารอันตรายตามเกณฑ์ของประเทศไทย (0262/2567) ค่าทั้งหมดอยู่ในเกณฑ์มาตรฐานตามข้อกำหนด
ตามกฎหมายว่าด้วยคุณภาพน้ำ

Reported results refer to submitted samples only

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S. S.

Ms. Sanvimol Sangkhata-amphon
Chief of Environment Testing Section

3-025-E-0002

ALS.EJ.1794.2-6/18663

JL

Ms. Thirarat Suk-ngam
Laboratory Manager

3-025-E-0004

ALS.EJ.1794.2-6/18663

SA

Ms. Supornphan Bunlueam
Managing Director

3-025-E-0001

ALS.EJ.1794.2-6/18663

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

Head Office : 91/273 278 Moo 1 Na, Chomthong Road, Bangkhen, Bangkok, Thailand 10110 TEL : 02-262-6845, 02-262-6846, 02-262-6847, 02-262-6848, 02-262-6849
FAX : 082110 232 044 045 046 E-mail address : als@alslab.com, als@alslab.com, als@alslab.com, als@alslab.com, als@alslab.com

Branch Office : 31 Moo 11, Bangna-Songkhro Road, Bangna Sub-town, Bangkok 10110 E-mail address : als@alslab.com, als@alslab.com, als@alslab.com, als@alslab.com, als@alslab.com

TEST REPORT

P. 1/1

Report : ALS (AY) No. 0810/125
Client : บริษัท ซีพีเอฟ จำกัด (มหาชน)
(โครงการบ้านมั่นคง)
Address : อาคารศูนย์พัฒนาการเกษตรอินทรีย์และสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 อ.บางพลีใหญ่ จ.สมุทรปราการ
เลขหมายโทรศัพท์ : 131603
Sample Description : Wastewater
Collected By : Topkiam Bunlueam
Sampling Time : 09:10 น.
Reported Date : July 18, 2025
Received Date : July 2, 2025
Analytical Date : July 2 - 18, 2025
Sample Description : Wastewater
Collected By : Topkiam Bunlueam
Sampling Time : 09:10 น.

Sampling Date : July 2, 2025
TEL : (035) 26266-68, FAX : (035) 26266-60

Waste Water Treatment Plant					
Parameter	Unit	Method	Influent (Inlet Equalization Tank)		STD *
pH (at 25.6 °C)	-	Electrometric	7.5		5.5-9.0
BOD	mg / l	5 Day BOD Test	26.9		500
COD	mg / l	Closed Reflux	111		750
Suspended Solids	mg / l	Dried at 103-105 °C	20		200
TKN	mg / l	Micro - Kjeldahl	5.7		100
Phosphorus as P m	mg / l	Ascorbic Acid	1.03		-
Sample Condition		Observation	ขาวขุ่น		-

* หมายเหตุ ค่ามาตรฐานการปนเปื้อนของประเทศไทย (0262/2567) ค่าทั้งหมดอยู่ในเกณฑ์มาตรฐานตามข้อกำหนด

ตามกฎหมายว่าด้วยคุณภาพน้ำ

(1) ไม่พบการปนเปื้อนสารอันตรายตามเกณฑ์ของประเทศไทย

Remark : Reported results refer to submitted samples only.

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Analyst

T. Z. Sipsong

(Charitip Anitum)
Laboratory Manager

M. S. Sipsong

(Supornphan Bunlueam)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

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FAX : 082110 232 044 045 046 E-mail address : als@alslab.com, als@alslab.com, als@alslab.com, als@alslab.com, als@alslab.com

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TEST REPORT

Report : ALS (AY.) No. 0811/25
Client : บริษัท ฟู้ดแมค จำกัด (มหาชน)
(โรงงานบางเลน)
Address : อาคารศูนย์บริการลูกค้าโรงงานฟู้ดแมคและเบเกอรี่ ชั้น 2
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองจั่น เขตบางเขน กรุงเทพมหานคร 13160
Sample Description : Wastewater
Collected By : Tapkeorn Sripasornya
TEL : (035) 268266-68 FAX : (035) 268269
Sampling Time : 08:50 น.
P. 02

Sampling Date : July 2, 2025

Waste Water Treatment Plant				
Parameter	Unit	Method	Effluent (Outlet Polishing Pond)	Std. EFF *
pH (at 25.2 °C)	-	Electrometric	7.2	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	4.4	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TKN	mg / l	Micro - Kjeldahl	< 1.0	100
Oil & Grease	mg / l	Liquid-Liquid, Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	1,390	3,000
Temperature	°C	Laboratory and Field	26.2	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition	Observation			
	ใส			

* ปริมณัณท์ของสารพิษตกค้างในน้ำทิ้งและน้ำเสียดังกล่าว ซึ่งผ่านการบำบัดแล้วตามมาตรฐานที่กำหนดไว้จากโรงงานอุตสาหกรรม
ข้อมูลผลการตรวจและพบมีค่าเกินมาตรฐานที่กำหนด (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.
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บริษัท แอลไลคอส ลอเบอราทอรี เซอร์วิส จำกัด
ได้ตรวจและพบมีค่าเกินมาตรฐานที่กำหนด (พ.ร.บ. 2559)



T. Sriporn
(Tapkeorn Sripasornya)
Analyst

T. Sriporn
(Chantip Aulium)
Laboratory Manager

M. L. Sriporn
(Supornphan Buntusein)
Managing Director

3 - 026/1 - ก - 0002

3 - 026/1 - ก - 0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 0811/25
Client : บริษัท ฟู้ดแมค จำกัด (มหาชน)
(โรงงานบางเลน)
Address : อาคารศูนย์บริการลูกค้าโรงงานฟู้ดแมคและเบเกอรี่ ชั้น 2
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองจั่น เขตบางเขน กรุงเทพมหานคร 13160
Sample Description : Wastewater
Collected By : Tapkeorn Sripasornya
TEL : (035) 268266-68 FAX : (035) 268269
Sampling Time : 08:50 น.
P. 02

Sampling Date : July 2, 2025

Waste Water Treatment Plant				
Parameter	Unit	Method	Effluent (Outlet Polishing Pond)	Std. EFF *
Phosphorus as P _{in}	mg / l	Ascorbic Acid	0.94	-
Flow Rate	m ³ /hr	-	586	-
Odour	-	-	Normal	Normal
Sample Condition	Observation			
	ใส			

* ปริมณัณท์ของสารพิษตกค้างในน้ำทิ้งและน้ำเสียดังกล่าว ซึ่งผ่านการบำบัดแล้วตามมาตรฐานที่กำหนดไว้จากโรงงานอุตสาหกรรม

* ปริมาณของสารพิษตกค้างในน้ำทิ้งและน้ำเสียดังกล่าว ซึ่งผ่านการบำบัดแล้วตามมาตรฐานที่กำหนดไว้จากโรงงานอุตสาหกรรม
ข้อมูลผลการตรวจและพบมีค่าเกินมาตรฐานที่กำหนด (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.

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M. L. Sriporn
(Supornphan Buntusein)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (BKK) No: 185025
Client : บริษัท ฟาร์มอินทรีย์ จำกัด (มหาชน)
(โครงการบึงบอระเพ็ด)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์และห้องปฏิบัติการ ชั้น 2
139 หมู่ 2 ต.หนองปรือ อ.บางบาล จ.พระนครศรีอยุธยา
โทรสาร: 035-268269
Sample No: (BKK) W/3241
Collected By: Surath Pattanasawoot
Sampling Time: 08:50 น.

Reported Date: July 19, 2025
Received Date: July 2, 2025
Analytical Date: July 2 - 18, 2025
Sample No: (BKK) W/3241
Collected By: Surath Pattanasawoot
Sampling Time: 08:50 น.

Sample Description: Wastewater, Physical Appearance: Clear, Total volume 5L, / Ref: AY W/ 2386

Sampling Date: July 2, 2025

Parameter	Unit	Method of Analysis	Result	Effluent (Outlet Polluting Pond)	Std. Eff	Detection Limit
Mercury	mg/l Hg	APHA, 24th edition 2023, 8085-Hp, 3112B	< 0.001	< 0.10	0.005	0.001
Lead	mg/l Pb		< 0.02	< 0.10	0.2	0.10
Calcium	mg/l Ca		0.06	< 0.02	0.03	0.02
Copper	mg/l Cu		0.05	0.06	2.0	0.02
Zinc	mg/l Zn		< 0.04	0.05	5.0	0.02
Nickel	mg/l Ni		< 0.001	< 0.04	1.0	0.04
Arsenic	mg/l As	EPA 3010A and GB 3114C	< 0.001	< 0.001	0.25	0.001
Cobalt	ADMI	ADMI Wet-Gravimetric Spectrophotometric Method (ISM 2023-3120F)	(pH 7.22) 18.38 (pH 7.00) 16.18		300	-

Remark: ไม่พบการปนเปื้อนโลหะหนักในน้ำทิ้งจากโรงงานอุตสาหกรรม
ผลการทดสอบและการประเมินผลอยู่ในเกณฑ์มาตรฐาน (พ.ร.บ. 2559)
Reported results refer to submitted samples only
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S.S.

Mr. Mongkhon Porchalla
Chief of Heavy Metal Testing Section

Th

Ms. Thirarat Suk-ngam
Laboratory Manager

SR

Ms. Supornphan Buriluan
Managing Director

0-026-H-0003

0-026-H-0004

0-026-H-0001

ALS.F.1702.3-0106503

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY) No: 0811125
Client : บริษัท ฟาร์มอินทรีย์ จำกัด (มหาชน)
(โครงการบึงบอระเพ็ด)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์และห้องปฏิบัติการ ชั้น 2
139 หมู่ 2 ต.หนองปรือ อ.บางบาล จ.พระนครศรีอยุธยา
โทรสาร: 035-268269
Sample No: (AY) W/ 226625
Collected By: Taplesorn Sriboonaya
Sampling Time: 08:50 น.

Reported Date: July 19, 2025
Received Date: July 2, 2025
Analytical Date: July 2 - 18, 2025
Sample No: (AY) W/ 226625
Collected By: Taplesorn Sriboonaya
Sampling Time: 08:50 น.

Sampling Date: July 2, 2025

Parameter	Unit	Method	Effluent (Outlet Polluting Pond)	Std. Eff
pH (at 26.2 °C)	-	Electrometric	7.2	5.5 - 9.0
BOD	mg/l	5 Day BOD Test	4.4	20
COD	mg/l	Closed Reflux	< 40	120
Suspended Solids	mg/l	Dried at 103-105 °C	< 10	50
TKN	mg/l	Micro - Kjeldahl	< 1.0	100
Phosphorus as P _m	mg/l	Ascorbic Acid	0.94	-
Sample Condition		Observation	ใส	-

ไม่พบการปนเปื้อนโลหะหนักในน้ำทิ้งจากโรงงานอุตสาหกรรม

ผลการทดสอบและการประเมินผลอยู่ในเกณฑ์มาตรฐาน (พ.ร.บ. 2559)
ผลการทดสอบและการประเมินผลอยู่ในเกณฑ์มาตรฐาน (พ.ร.บ. 2559)
ผลการทดสอบและการประเมินผลอยู่ในเกณฑ์มาตรฐาน (พ.ร.บ. 2559)

Remark: Reported results refer to submitted samples only
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Analyst

T.D. Sripoy (Det)

(Chantip Aumum)
Laboratory Manager

M. L. Sripoy (Det)

(Supornphan Buriluan)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 0812/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงงานบางนา) :
Address : อาคารศูนย์บริหารสารเคมีอุตสาหกรรมและสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Sample Description : Wastewater
Collected By : Tapkeorn Sriprasayee
Sampling Time : 08.45 น.
TEL : (035) 268266-68 FAX : (035) 268269
P. 1/2

Sampling Date : July 2, 2025

Waste Water Treatment Plant				
Parameter	Unit	Method	ผลการทดสอบ หรือมาตรฐาน กำหนด	Std. Eff *
pH (at 25.7 °C)	-	Electrometric	7.4	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	3.3	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	10	50
TKN	mg / l	Macro - Kjeldahl	< 1.0	100
Oil & Grease	mg / l	Liquid-Liquid Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	324	3,000
Temperature	°C	Laboratory and Field	25.7	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition		Observation	ใส	-

* ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม เรื่อง กำหนดมาตรฐานคุณภาพน้ำทิ้งจากโรงงานอุตสาหกรรม

เป็นเอกสารแนบและประกอบผลการทดสอบ (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.

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T.D. Sirapong (Pen)
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AYUTTHAYA : 80 Moo 11, Samnang Road, Bangna, Bangkok 10110 Email address : ay@alslab.com, ay@alslab.com TEL : 02-621-1353-333 Fax : 02-621-4004

TEST REPORT

Report : ALS (AY.) No. 0812/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงงานบางนา) :
Address : อาคารศูนย์บริหารสารเคมีอุตสาหกรรมและสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Sample Description : Wastewater
Collected By : Tapkeorn Sriprasayee
Sampling Time : 08.45 น.
TEL : (035) 268266-68 FAX : (035) 268269
P. 2/2

Sampling Date : July 2, 2025

Waste Water Treatment Plant				
Parameter	Unit	Method	ผลการทดสอบ หรือมาตรฐาน กำหนด	Std. Eff *
Phosphorus as P _{in}	mg / l	Ascorbic Acid	0.22	-
Odour (u)	-	-	Normal	Normal
Sample Condition		Observation	ใส	-

u) ไม่อยู่ในเกณฑ์มาตรฐานที่กำหนด

* ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม เรื่อง กำหนดมาตรฐานคุณภาพน้ำทิ้งจากโรงงานอุตสาหกรรม
เป็นเอกสารแนบและประกอบผลการทดสอบ (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.

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Analyst

T.D. Sirapong (Pen)
(Charatip Aunum)
Laboratory Manager

M. L. Long (Ay)
(Supomphan Bunlueain)
Managing Director

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Head Office : 811571 218 Moo 10, Chomwong Road, Bangna, Bangkok, Thailand 10110 TEL : 02-621-0444, 02-621-0164-5, 02-621-4008
P.O. Box 101250, Suite 21400, 21400 BLD Email address : info@alslab.com, info@alslab.com, www.alslab.com

AYUTTHAYA : 80 Moo 11, Samnang Road, Bangna, Bangkok 10110 Email address : ay@alslab.com, ay@alslab.com TEL : 02-621-1353-333 Fax : 02-621-4004

TEST REPORT

Report : ALS (BKK) No. 1856/25
Client : บริษัท สหพัฒนพิบูล จำกัด (มหาชน)
(โครงการท่าเรือสำเภา)
Address : อาคารศูนย์บริการท่าเรือท่าเรือแหลมฉบังเฟส 2
139 หมู่ 2 อ.สุขุมวิท อ.คลองใหญ่ อ.บ้านฉาง
อ.ท่าชนะ จ.สุราษฎร์ธานี 84150
TEL : (035) 268255-66 FAX : (035) 268259
Sampling Date : July 2, 2025

Sample Description : Waste water, Physical Appearance : Clear, total volume 3L / Ref. AY.W/2287

Parameter	Unit	Method of Analysis	Result	Standard
Mercury	mg / l Hg	APHA, 24h within 2023, 3500-Hg, 3112B	< 0.001	0.005
Lead	mg / l Pb		< 0.10	0.2
Cadmium	mg / l Cd		< 0.02	0.03
Copper	mg / l Cu	Standard Methods for the Examination of Water and Wastewater APHA, 1998 & WEF, 24th Edition, 2023 part 3111 B, 3020 E	< 0.02	2.0
Zinc	mg / l Zn		0.07	5.0
Nickel	mg / l Ni		< 0.04	1.0
Arsenic	mg / l As	EPA 3016a and 30114C	< 0.001	0.25
Colour	ADMI	ADMI (Wavelength 680nm Spectrophotometric Method (DM 2023 : 23200)	(pH 7.50) 13.02 (pH 7.00) 17.12	300

Remark : เป็นการตรวจวิเคราะห์ตามมาตรฐานวิธีทดสอบ ซึ่ง การวิเคราะห์ตามมาตรฐานการตรวจวิเคราะห์ในรายงานผลการตรวจ

ผลการวิเคราะห์จะระบุในรายงานผลการตรวจ (N 4 2058)

Reported results refer to submitted samples only.

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C. S.

Mr. Mongkhon Pochella
Chief of Heavy Metal Testing Section

3-025-H-0003

Th

Ms. Tharatat Suk-ngam
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3-025-H-0034

S.P.

Ms. Supornchan Buriussin
Managing Director

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ALS.P.1702.2-0110553

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

BRANCH : 811277 378, 301/101-102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

BRANCH : 811277 378, 301/101-102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

TEST REPORT

Report : ALS (AY) No. 0612/25
Client : บริษัท สหพัฒนพิบูล จำกัด (มหาชน)
(โครงการท่าเรือสำเภา)
Address : อาคารศูนย์บริการท่าเรือท่าเรือแหลมฉบังเฟส 2
139 หมู่ 2 อ.สุขุมวิท อ.คลองใหญ่ อ.บ้านฉาง
อ.ท่าชนะ จ.สุราษฎร์ธานี 84150
TEL : (035) 268255-66 FAX : (035) 268259
Sampling Date : July 2, 2025

Parameter	Unit	Method	Result	Std. Eff.
pH (at 25.7 °C)	-	Electrometric	7.4	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	3.3	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	10	50
TKN	mg / l	Micro - Kjeldahl	< 1.0	100
Phosphorus as P _{in}	mg / l	Ascorbic Acid	0.22	-
Sample Condition		Observation	ใส	-

หมายเหตุ : การตรวจวิเคราะห์ตามมาตรฐานวิธีทดสอบ

* เป็นการตรวจวิเคราะห์ตามมาตรฐานวิธีทดสอบ ซึ่ง การวิเคราะห์ตามมาตรฐานการตรวจวิเคราะห์ในรายงานผลการตรวจ

ผลการวิเคราะห์จะระบุในรายงานผลการตรวจ (N 4 2558)

Remark : Reported results refer to submitted samples only.

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VJ Silpa

(Tapirom Shapraya)
Analyst

VJ Silpa

(Chanthip Aklum)
Laboratory Manager

M. Suporn

(Supornchan Buriussin)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

BRANCH : 811277 378, 301/101-102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 14

TEST REPORT

Report : ALS (BKK) No. 2223/25
Client : บริษัท สหพัฒน์ จำกัด (มหาชน)
(โกลบอลเทรดดิ้ง)
Address : อาคารศูนย์การค้าท่าอากาศยานดอนเมือง ชั้น 2
139 หมู่ 2 ถนนพหลโยธิน แขวงจตุจักร กรุงเทพมหานคร 13160
Sample No. : (BKK) WH148
Collected By : สุชาติ เปี่ยมสารสมบัติ
Sampling Time : 09:35 น.
Reported Date : August 26, 2025
Received Date : August 6, 2025
Analytical Date : August 6 - 25, 2025
Analysis NO. : (BKK) WH148
Sample Description : Wastewater
Collected By : Tapkassorn Sripaoraya
Sampling Time : 09:35 น.

Sample Description : Waste water, Physical Appearance: Cloudy gray, total volume 3L / Ref. AY.W/ 2523
Sampling Date : August 6, 2025

Parameter	Unit	Method of Analysis	Result		Standard
			Influent (Inlet Equalization Tank)		
Colour	ADU	APM Wingreen-Orbitone, Spectrophotometric Method (S.M. 2023 : 2120F)	(pH 7.52) 25.58		600
			(pH 7.00) 28.62		

Remark : "ผลการทดสอบค่ามาตรฐานตามเกณฑ์ของ (S.M. 2023:2120F) ค่าการปนเปื้อนค่าที่เกินค่ามาตรฐานตามข้อกำหนดของกรมควบคุมมลพิษ
กรุณาแจ้งข้อมูลกลับทางด่วน
Reported results refer to submitted samples only.
This report shall not reproduced, except in full, without prior approval of the Management.

ALS (BKK) No. 2223/25
Ms Sasivimol Sangthai-amphorn
Chief of Environment Testing Section
3-026-a-0002
Ms Tharat Suk-ngam
Laboratory Manager
3-026-a-0004
Ms Supomphan Bunluekin
Managing Director
3-026-a-0001

TEST REPORT

Report : ALS (AY.) No. 0864/25
 Client : บริษัท สหพัฒนเทรด จำกัด (มหาชน)
 Address : อาคารศูนย์การค้าเดอะมอลล์ไลฟ์สไตล์เวิลด์ ชั้น 2
 139 หมู่ 2 อ.เอกมัย เขต.คลองเตย กทม.10110
 Sample Description : Wastewater
 Collected By : Tapkasorn Sriporayaya
 Sampling Time : 09.15 น.
 TEL : (035) 268266-68 FAX : (035) 268269
 Reported Date : August 26, 2025
 Received Date : August 5, 2025
 Analytical Date : August 5 - 26, 2025
 Analysis NO : AY W / 2624/25
 P. 02

Waste Water Treatment Plant

Parameter	Unit	Method	Effluent (Outlet Polluting Pond)	Std. EFF *
pH (at 27.5 °C)	-	Electrometric	7.2	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	2.7	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TN	mg / l	Macro - Kjeldahl	1.7	100
Oil & Grease	mg / l	Liquid-Liquid, Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	1,432	3,000
Temperature	°C	Laboratory and Field	27.6	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition		Observation	Ja	-

* มาตรฐานการควบคุมคุณภาพน้ำทิ้งตามมาตรฐานของกรมควบคุมมลพิษ (พ.ศ. 2559)
 ข้อมูลผลการวิเคราะห์และผลการตรวจคุณภาพน้ำทิ้ง

Remark : Reported results refer to submitted samples only.
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 บริษัท แอลเอสแอล อ্যানะลิทิคอล เซอร์วิส จำกัด
 139 หมู่ 2 อ.เอกมัย เขต.คลองเตย กทม.10110

Tapkasorn Sriporayaya
 (Tapkasorn Sriporayaya)
 Analyst
 3 - 02671 - 6 - 0002

Charitrip Aulium
 (Charitrip Aulium)
 Laboratory Manager
 3 - 02671 - 6 - 0001

Supornphan Buriuseeth
 (Supornphan Buriuseeth)
 Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 0864/25
 Client : บริษัท สหพัฒนเทรด จำกัด (มหาชน)
 Address : อาคารศูนย์การค้าเดอะมอลล์ไลฟ์สไตล์เวิลด์ ชั้น 2
 139 หมู่ 2 อ.เอกมัย เขต.คลองเตย กทม.10110
 Sample Description : Wastewater
 Collected By : Tapkasorn Sriporayaya
 Sampling Time : 09.15 น.
 TEL : (035) 268266-68 FAX : (035) 268269
 Reported Date : August 26, 2025
 Received Date : August 5, 2025
 Analytical Date : August 5 - 25, 2025
 Analysis NO : AY W / 2624/25
 P. 02

Waste Water Treatment Plant

Parameter	Unit	Method	Effluent (Outlet Polluting Pond)	Std. EFF *
Phosphorus as P _T	mg / l	Ascorbic Acid	0.96	-
Flow Rate	m ³ /hr	-	553	-
Odour	-	-	Normal	Normal
Sample Condition		Observation	Ja	-

* มาตรฐานการควบคุมคุณภาพน้ำทิ้งตามมาตรฐานของกรมควบคุมมลพิษ (พ.ศ. 2559)
 ข้อมูลผลการวิเคราะห์และผลการตรวจคุณภาพน้ำทิ้ง

Remark : Reported results refer to submitted samples only.
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Tapkasorn Sriporayaya
 (Tapkasorn Sriporayaya)
 Analyst

Charitrip Aulium
 (Charitrip Aulium)
 Laboratory Manager

Supornphan Buriuseeth
 (Supornphan Buriuseeth)
 Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 095525
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลสุราษฎร์ธานี)
Address : อาคารศูนย์วิทยาศาสตร์การแพทย์โรงพยาบาลสุราษฎร์ธานี 2
139 หมู่ 2 ถนนสายสุขุมวิท กม. 10-11 อ.นาโยง จ.สุราษฎร์ธานี
โทรสาร : 075-255255 FAX : (035) 255255
Sampling Date : August 6, 2025
Reported Date : August 26, 2025
Received Date : August 6, 2025
Analytical Date : August 6 - 26, 2025
Analysis NO : AY W / 252525
Sample Description : Wastewater
Collected By : Tapkhem Sriporanya
Sampling Time : 08.10 น.
P. 02

Waste Water Treatment Plant				
Parameter	Unit	Method	ผลการทดสอบ หรือมาตรฐาน กำหนด	Std. Eff.
pH (at 25.9 °C)	-	Electrometric	7.5	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	< 2	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TN	mg / l	Macro-Kjeldahl	< 1.0	100
Oil & Grease	mg / l	Liquid-Liquid Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	324	3,000
Temperature	°C	Laboratory and Field	25.9	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition			Observation	ไม่

* ปกติค่าการตรวจพบค่าของสารปนเปื้อนในน้ำเสียจะอยู่ในเกณฑ์ที่กำหนดไว้ หากพบค่าเกินเกณฑ์ที่กำหนดไว้จะแจ้งให้ทราบโดยด่วน
ผลการตรวจวิเคราะห์และประเมินค่าการปนเปื้อนในน้ำเสีย (พ.ศ. 2559)

Remark : Reported results refer to submitted samples only.
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บริษัท แอลเอส ไลออบอรี่ เซอร์วิส จำกัด
139 หมู่ 2 ถนนสายสุขุมวิท กม. 10-11 อ.นาโยง จ.สุราษฎร์ธานี 81120


T. Supay (T) Supay (S)
(Tapkhem Sriporanya)
Analyst
T. Supay (S)
(Chantip Aium)
Laboratory Manager
M. Supay (M)
(Supomphan Bunluean)
Managing Director
T - 02521 - W - 0001
T - 02521 - W - 0002

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (BKK) No. 2225225
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์และสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 ต.คลองเตย อ.คลองเตย จ.นนทบุรี
โทรสาร : 02-555-13160
TEL : (035) 268266-68 FAX : (035) 268269
Sample Description : Waste water, Physical Appearance : Clear, total volume 5L, Ref. AY.W / 3525
Sampling Date : August 6, 2025
Reported Date : August 26, 2025
Received Date : August 6, 2025
Analytical Date : August 6 - 28, 2025
Sample No. : (BKK) W1150
Collected By : Suchat Pattanasattamat
Sampling Time : 09.10 H.

Sample Description : Waste water, Physical Appearance : Clear, total volume 5L, Ref. AY.W / 3525
Sampling Date : August 6, 2025

Parameter	Unit	Method of Analysis	Result		Standard	
			หาค่าความเข้มข้น ของสารปนเปื้อน ทั้งหมด	หาค่าความเข้มข้น ของสารปนเปื้อน ทั้งหมด	Std. Eff.	Detection Limit
Mercury	mg / l Hg	APHA, 24th edition, 2023, 808-Hg, 31129	< 0.001	< 0.001	0.005	0.001
Lead	mg / l Pb		< 0.10	< 0.10	0.2	0.10
Cadmium	mg / l Cd		< 0.02	< 0.02	0.03	0.02
Copper	mg / l Cu	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th Edition, 2023 part 3111 E, 3020 E	< 0.02	< 0.02	2.0	0.02
Zinc	mg / l Zn		0.09	0.09	5.0	0.02
Niccol	mg / l Ni		< 0.04	< 0.04	1.0	0.04
Artenic	mg / l As	EPA 3015A and 3M 3114C	< 0.001	< 0.001	0.25	0.001
Colour	ADN	APHA Weighted-Ordium Spectrophotometric Method (24.2023, 2125)	pH 7.55, 11.45 pH 7.00, 14.33	pH 7.55, 11.45 pH 7.00, 14.33	300	-

Remark : ผู้รับผลการวิเคราะห์ในห้องปฏิบัติการนี้ควรพิจารณาถึงขีดจำกัด ค่าที่รายงานอาจมีความคลาดเคลื่อนได้หากไม่ปฏิบัติตามขั้นตอนการทดสอบ (พ.ร.บ. 2559)
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Mr Mongkhon Pochalla
Chief of Heavy Metal Testing Section
3-025-A-0003

Ms. Thararat Suk-ngam
Laboratory Manager
3-025-A-0004

Ms. Supornphan Bunluean
Managing Director
3-025-A-0001

ALS-1702-3-018553

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

SAKONNOK : 81107-27300 Sakon Nakhon, Chaitumongkhon Road, Sakon Nakhon, Thailand 47120 TEL : 0-420-5441, 0-420-5442, 0-420-5443, 0-420-5444
FAX : 0421 0-420-5444, 0-420-5445 E-mail address : sakon@als.co.th, info@als.co.th, www.als.co.th
AYUTTHAYA : 81107-27300 Sakon Nakhon, Chaitumongkhon Road, Sakon Nakhon, Thailand 47120 TEL : 0-420-5441, 0-420-5442, 0-420-5443, 0-420-5444
FAX : 0421 0-420-5444, 0-420-5445 E-mail address : ayutthaya@als.co.th, info@als.co.th, www.als.co.th

TEST REPORT

Report : ALS (AY) No. 0565 1/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์และสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 ต.คลองเตย อ.คลองเตย จ.นนทบุรี
โทรสาร : 02-555-13160
TEL : (035) 268266-68 FAX : (035) 268269
Sample Description : Wastewater
Collected By : Tapasorn Sriporayai
Sampling Time : 08.10 H.

Sampling Date : August 6, 2025

Waste Water Treatment Plant				
Parameter	Unit	Method	หาค่าความเข้มข้น ของสารปนเปื้อน ทั้งหมด	Std. Eff.
pH (at 25.9 °C)	-	Electrometric	7.5	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	< 2	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TKN	mg / l	Macro - Kjeldahl	< 1.0	100
Phosphorus as P _T	mg / l	Ascorbic Acid	0.15	-
Sample Condition		Observation	Id	-

(1) ข้อมูลนี้ควรใช้เพื่อวัตถุประสงค์ในการอ้างอิงเท่านั้น

* ผู้รับผลการวิเคราะห์ในห้องปฏิบัติการนี้ควรพิจารณาถึงขีดจำกัด ค่าที่รายงานอาจมีความคลาดเคลื่อนได้หากไม่ปฏิบัติตามขั้นตอนการทดสอบ (พ.ร.บ. 2559)
ผู้รับผลการวิเคราะห์ในห้องปฏิบัติการนี้ควรพิจารณาถึงขีดจำกัด ค่าที่รายงานอาจมีความคลาดเคลื่อนได้หากไม่ปฏิบัติตามขั้นตอนการทดสอบ (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.
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(Chanthip Aunum)
Laboratory Manager

Dr. Suporn Sriporayai
(Supornphan Bunluean)
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FAX : 0421 0-420-5444, 0-420-5445 E-mail address : sakon@als.co.th, info@als.co.th, www.als.co.th
AYUTTHAYA : 81107-27300 Sakon Nakhon, Chaitumongkhon Road, Sakon Nakhon, Thailand 47120 TEL : 0-420-5441, 0-420-5442, 0-420-5443, 0-420-5444
FAX : 0421 0-420-5444, 0-420-5445 E-mail address : ayutthaya@als.co.th, info@als.co.th, www.als.co.th

TEST REPORT

Report : ALS (AY) No. 1096/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลสุราษฎร์ธานี)
Address : อาคารศูนย์บริการทางการแพทย์ โรงพยาบาลสุราษฎร์ธานี ชั้น 2
130 หมู่ 2 ถนนพหลโยธิน อ.เมือง จ.สุราษฎร์ธานี
4. ถนนพหลโยธิน 13160
TEL : (035) 266266-88 FAX : (035) 266266
Sampling Date : September 3, 2025
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Analysis NO : AY W / 2659/25
Sample Description : Wastewater
Collected By : Tapkassorn Sriprachya
Sampling Time : 08.30 น.

P. 1/2

Waste Water Treatment Plant					
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *	
pH (at 27.5 °C)	-	Electrometric	7.5	5.5-8.0	
BOD	mg / l	5 Day BOD Test	29.2	500	
COD	mg / l	Closed Reflux	121	750	
Suspended Solids	mg / l	Dried at 103-105 °C	38	200	
TKN	mg / l	Mosses - Kjeldahl	< 1.0	100	
Oil & Grease	mg / l	Liquid-Liquid Partition-Gravimetric	3.0	10	
Temperature	°C	Laboratory and Field	27.5	45	
Sulfide as S ²⁻	mg / l	Iodometric	< 0.06	1	
Formaldehyde	mg / l	Colorimetric	< 0.10	1	
Fluoride as F ⁻	mg / l	SPADNS	0.36	5	
Chloride as Cl ⁻	mg / l	Argentometric	246.4	-	
Free Chlorine as Cl ₂	mg / l	DPD Colorimetric	< 0.10	1	
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25	
Sample Condition		Observation	ขุ่นเล็กน้อย	-	

* ประกาศกรมควบคุมมลพิษ เรื่อง มาตรฐานคุณภาพน้ำทิ้งจากโรงงานที่ปล่อยสู่แหล่งน้ำผิวดิน พ.ศ. 2562/257

น้ำผิวดินตามแหล่งน้ำผิวดิน

Remark : Reported results refer to submitted samples only.
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บริษัท แอนไลติกอล ลอเบอราทอรี เซอร์วิส จำกัด
ได้ตรวจวิเคราะห์ตาม มาตรฐาน ม. 3026/1



TJ Sirapong (Tapkassorn Sriprachya)
Analyst
3 - 026/1 - 4 - 0002
(Chantip Aunium)
Laboratory Manager
3 - 026/1 - 4 - 0001
(Supomphan Bunluechai)
Managing Director

TEST REPORT

Report : ALS (AY) No. 1096/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลสุราษฎร์ธานี)
Address : อาคารศูนย์บริการทางการแพทย์ โรงพยาบาลสุราษฎร์ธานี ชั้น 2
130 หมู่ 2 ถนนพหลโยธิน อ.เมือง จ.สุราษฎร์ธานี
4. ถนนพหลโยธิน 13160
TEL : (035) 266266-88 FAX : (035) 266266
Sampling Date : September 3, 2025
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Analysis NO : AY W / 2659/25
Sample Description : Wastewater
Collected By : Tapkassorn Sriprachya
Sampling Time : 08.30 น.

P. 2/2

Waste Water Treatment Plant					
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *	
Phosphorus as P _T	mg / l	Ascorbic Acid	1.04	-	
Flow Rate (l)	m ³ / hr	-	661	-	
Odour (l)	-	-	Normal	Normal	
Sample Condition		Observation	ขุ่นเล็กน้อย	-	

* ประกาศกรมควบคุมมลพิษ เรื่อง มาตรฐานคุณภาพน้ำทิ้งจากโรงงานที่ปล่อยสู่แหล่งน้ำผิวดิน พ.ศ. 2562/257

น้ำผิวดินตามแหล่งน้ำผิวดิน

น้ำผิวดินตามแหล่งน้ำผิวดิน

Remark : Reported results refer to submitted samples only.
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TJ Sirapong (Tapkassorn Sriprachya)
Analyst
(Chantip Aunium)
Laboratory Manager
(Supomphan Bunluechai)
Managing Director

TEST REPORT

Report : ALS (BKK) No. 251025
Client : บริษัท สหพัฒนพิบูล จำกัด (มหาชน)
(โครงการบางนาใต้)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์ ชั้น 2
130 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
TEL : (02) 255-0050 FAX : (02) 255-0050
Sample Description : Waste water, Physical Appearance : Greyish-brown with sediment, total volume 5L / Ref: AY W / 2559
Sampling Date : September 3, 2025
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Sample No. : (BKK) W/4354
Collected By : Suchat Pattanasarnsoot
Sampling Time : 08:30 H.

Parameter	Unit	Method of Analysis	Result	Influent (Inlet Equalization Tank)	Standard
Nickel	mg / l Ni		< 0.04	< 0.04	1.0
Lead	mg / l Pb		< 0.10	< 0.10	0.2
Copper	mg / l Cu	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24 th Edition, 2023 part 3111 B, 3005 E	0.18	0.18	2.0
Zinc	mg / l Zn		0.11	0.11	5.0
Cadmium	mg / l Cd		< 0.02	< 0.02	0.03
Manganese	mg / l Mn		0.07	0.07	5.0
Mercury	mg / l Hg	APHA, 24 th edition 2003, 3000-Hg, 3112B	< 0.001	< 0.001	0.005
Selenium	mg / l Se	EPA, 2010A and SM 3114C	< 0.001	< 0.001	0.02
Chromium	mg / l Cr ^{VI}	Direct Air-Acetylene Flame, AAS	< 0.02	< 0.02	0.75
Barium	mg / l Ba	APHA, 24 th edition 2003, 3030E, 3111D	< 0.20	< 0.20	1.0
Silver	mg / l Ag	SM-848 Methods 3050 B, 7000 B	< 0.02	< 0.02	1.0
Iron	mg / l Fe	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24 th Edition, 2023 part 3111 B, 3030 E	0.81	0.81	10.0
Cyanide	mg / l CN	APHA, 24 th edition, 2023, 4500-CN F	< 0.001	< 0.001	0.2
Phenol	mg / l	APHA, AWWA, WEF 2022, 24 th edition	< 0.001	< 0.001	1
Surfactants	mg / l ASD	APHA, 24 th edition, 2023, 5540	< 0.10	< 0.10	30
Arsenic	mg / l As	EPA 2010A and SM 3114C	< 0.001	< 0.001	0.25
Colour	APHA	APHA Weighted Ordinate Spectrophotometric Method (20-2023, 2120F)	(pH 7.50) 53.61 (pH 7.00) 63.29	(pH 7.00) 63.29	600

Remark : ไม่สามารถส่งผลการทดสอบได้เพราะวันที่ 25/9/2567 นั้น การส่งรายงานผลการวิเคราะห์การตรวจพบค่าเกินมาตรฐาน
กรณีส่งผลการทดสอบได้
Reported results refer to submitted samples only.
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Chief of Environment Testing Section
3-025-B-0002
ALS-F 37612-018563
Ms. Theerant Suk-ngom
Laboratory Manager
3-025-B-0004
Ms. Supornpan Bunlissin
Managing Director
3-025-B-0001

TEST REPORT

Report : ALS (AY) No. 10261/25
Client : บริษัท สหพัฒนพิบูล จำกัด (มหาชน)
(โครงการบางนาใต้)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์ ชั้น 2
130 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
TEL : (02) 255-0050 FAX : (02) 255-0050
Sample Description : Wastewater
Collected By : Tapassorn Shripachaya
Sampling Time : 08:30 H.
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Analysis NO. : AY W / 289925
Sample Description : Wastewater
Collected By : Tapassorn Shripachaya
Sampling Time : 08:30 H.

Sampling Date : September 3, 2025 P. 01

Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD. *
pH (at 27.5 °C)	-	Electrometric	7.5	5.5-9.0
BOD	mg / l	5 Day BOD Test	26.2	500
COD	mg / l	Closed Reflux	121	750
Suspended Solids	mg / l	Dried at 103-105 °C	38	200
TKN	mg / l	Micro - Kjeldahl	< 1.0	100
Phosphorus as P _{tot}	mg / l	Ascorbic Acid	1.04	-
Sample Condition		Observation	ไม่มีกลิ่นเหม็น	-

* ปรากฏค่าการทดสอบการปนเปื้อนที่เกินค่ามาตรฐานที่กำหนดไว้ 25/9/2567 นั้น การส่งรายงานผลการวิเคราะห์การตรวจพบค่าเกินมาตรฐาน
กรณีส่งผลการทดสอบได้
Reported results refer to submitted samples only.
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Chief of Environment Testing Section
3-025-B-0002
ALS-F 37612-018563
Ms. Theerant Suk-ngom
Laboratory Manager
3-025-B-0004
Ms. Supornpan Bunlissin
Managing Director
3-025-B-0001

TEST REPORT

Report : ALS (AY.) No. 1099/25
Client : บริษัท ฟาร์มอินทรีย์ จำกัด (มหาชน)
(โครงการเกษตรอินทรีย์)
Address : อาคารศูนย์บริการการเกษตรอินทรีย์และสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 อ.เกษตรวิสัย จ.ร้อยเอ็ด อ.นาแกอิน
จ.หนองบัวลำภู โทร 13150
TEL : (035) 268266-68 FAX : (035) 268266
Sampling Date : September 3, 2025
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Analyst NO : AY W / 2501/25
Sample Description : Wastewater
Collected By : Taplesorn Sripodanya
Sampling Time : 08:15 น.
P. 12

Waste Water Treatment Plant				
Parameter	Unit	Method	ผลการทดสอบ ที่รายงานผลการ วิเคราะห์	Std. Eff *
pH (at 25.0 °C)	-	Electrometric	7.3	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	2.2	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TN	mg / l	Micro - Kjeldahl	< 1.0	100
Oil & Grease	mg / l	Liquid-Liquid, Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	126	3,000
Temperature	°C	Laboratory and Field	28.0	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sulfide as S ²⁻	mg / l	Iodometric	< 0.05	1
Free Chlorine as Cl ₂	mg / l	DPO Colorimetric	< 0.10	1
Formaldehyde	mg / l	Colorimetric	< 0.10	1
Sample Condition			Observation	ไม่

* หมายเหตุ: ผลการทดสอบที่แสดงเป็นค่าเฉลี่ย ซึ่ง การแปลผลรายงานผลการวิเคราะห์ได้จากโรงงานอุตสาหกรรม
ข้อมูลค่ามาตรฐานและเกณฑ์การทดสอบ (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.

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ห้ามทำซ้ำหรือคัดลอกโดยไม่ได้รับอนุญาตจากผู้บริหาร

ไม่อนุญาตให้นำข้อมูลไปเผยแพร่โดยไม่ได้รับอนุญาต



TZ Sripodanya
(Taplesorn Sripodanya)
Analyst

Chantip Aunium
(Chantip Aunium)
Laboratory Manager

Suporn Bunluezin
(Suporn Bunluezin)
Managing Director

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T - 02671 - W - 0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

SALES: 0112127531, 0112127532, 0112127533, 0112127534, 0112127535, 0112127536, 0112127537, 0112127538, 0112127539, 0112127540, 0112127541, 0112127542, 0112127543, 0112127544, 0112127545, 0112127546, 0112127547, 0112127548, 0112127549, 0112127550, 0112127551, 0112127552, 0112127553, 0112127554, 0112127555, 0112127556, 0112127557, 0112127558, 0112127559, 0112127560, 0112127561, 0112127562, 0112127563, 0112127564, 0112127565, 0112127566, 0112127567, 0112127568, 0112127569, 0112127570, 0112127571, 0112127572, 0112127573, 0112127574, 0112127575, 0112127576, 0112127577, 0112127578, 0112127579, 0112127580, 0112127581, 0112127582, 0112127583, 0112127584, 0112127585, 0112127586, 0112127587, 0112127588, 0112127589, 0112127590, 0112127591, 0112127592, 0112127593, 0112127594, 0112127595, 0112127596, 0112127597, 0112127598, 0112127599, 0112127600, 0112127601, 0112127602, 0112127603, 0112127604, 0112127605, 0112127606, 0112127607, 0112127608, 0112127609, 0112127610, 0112127611, 0112127612, 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TEST REPORT

Report : ALS (BKK) No. 251225
Client : บริษัท สหพัฒนเทรด จำกัด (มหาชน)
(บริษัทมหาชนจำกัด)
Address : อาคารศูนย์บริการลูกค้ากรุงเทพมหานคร ชั้น 2
139 หมู่ 2 อ.สุขุมวิท จ.นนทบุรี กรุงเทพมหานคร 13150
P. 1/1
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Sample No. : (BKK) W4356
Collected By : สุชาติ เปรมประเสริฐ
Sampling Time : 08.15 น.

Sample Description : Viable water, Physical Appearance : Clear / total volume 5L / Ref. AY (W) 2601
Sampling Date : September 3, 2025
TEL : (035) 266256-68 FAX : (035) 266259

Parameter	Unit	Method of Analysis	Result	Standard
Mercury	mg/l Hg	APHA, 24th edition, 2023, 340B-Hg, 3112B	< 0.001	0.005
Lead	mg/l Pb		< 0.10	0.2
Cadmium	mg/l Cd		< 0.02	0.03
Copper	mg/l Cu	Standard Methods for the Examination of Water and Wastewater APHA, AWWA, WEF, 24th Edition, 2023 part 3111 B, 3030 E	< 0.02	2.0
Zinc	mg/l Zn		< 0.02	5.0
Nickel	mg/l Ni		< 0.04	1.0
Manganese	mg/l Mn		0.16	5.0
Arsenic	mg/l As	EPA 2010A and SM 3114C	< 0.001	0.25
Chromium	mg/l Cr ⁶⁺	Distilled Air-Acetylene Flame, AAS	< 0.02	0.75
Barium	mg/l Ba	APHA, 24th edition, 2023, 3030E, 3111D	< 0.20	1.0
Selenium	mg/l Se	EPA 2010A and SM 3114C	< 0.001	0.02
Cyanide	mg/l CN	APHA, 24th edition, 2023, 4500-CN F	< 0.001	0.2
Phenol	mg/l	APHA, AWWA, WEF 2023, 24th edition 9330 C	< 0.001	1
Colour	APHA	APHA Weighted-Ordinate Spectrophotometric Method (SM 2023 - 2120F)	(PH 7.57) 14.46 (PH 7.00) 28.19	300

Remark : ผู้รับทราบผลการตรวจวิเคราะห์แล้วและได้รับแจ้งผลการวิเคราะห์โดยทางโทรศัพท์และทางอีเมล (พ.ร.บ. 2559)
Reported results refer to submitted samples only.
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Mr. Mongkhon Pochalla
Chief of Heavy Metal Testing Section
7-025-4-0003
ALS F-17023-01180553
Ms. Supattaphan Bunlueam
Managing Director
7-025-4-0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

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TEST REPORT

Report : ALS (AY) No. 1066 1/25
Client : บริษัท สหพัฒนเทรด จำกัด (มหาชน)
(บริษัทมหาชนจำกัด)
Address : อาคารศูนย์บริการลูกค้ากรุงเทพมหานคร ชั้น 2
139 หมู่ 2 อ.สุขุมวิท จ.นนทบุรี กรุงเทพมหานคร 13150
P. 1/1
Reported Date : September 23, 2025
Received Date : September 3, 2025
Analytical Date : September 3 - 23, 2025
Analysis NO : AY WJ 2001/25
Sample Description : Wastewater
Collected By : Tapkesorn Sriporayai
Sampling Time : 08.15 น.

TEL : (035) 266256-68 FAX : (035) 266259
Sampling Date : September 3, 2025

Parameter	Unit	Method	ผลการวิเคราะห์ % ตรวจพบค่าเกิน มาตรฐาน	Std. EFF *
pH (at 25.0 °C)	-	Electronic	7.5	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	2.2	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TKN	mg / l	Macro - Kjeldahl	< 1.0	100
Phosphorus as P _{tot}	mg / l	Ascorbic Acid	0.23	-
Sample Condition		Observation	ใส	-

(1) ไม่อยู่ในเกณฑ์มาตรฐาน (อยู่ในเกณฑ์มาตรฐาน)
* มาตรฐานการตรวจวิเคราะห์ตามข้อกำหนดและมาตรฐานอื่น ๆ ที่เกี่ยวข้องตามข้อกำหนดและมาตรฐาน (พ.ร.บ. 2559)
Reported results refer to submitted samples only.
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TZ Sirapong
(Tapkesorn Sriporayai)
Analyst

Chanting Aunlun
(Chanting Aunlun)
Laboratory Manager

Supattaphan Bunlueam
(Supattaphan Bunlueam)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

MANAGER : 01127-0718 Suwitwong Road, Chomwong Sub, Bangkok, Bangkok, Thailand 10110 TEL : 02-250-1934, 02-250-1946, 02-409-4164, 02-409-4002
FAX : 02-250-1934, 02-409-4002 E-mail address : manager@als-lab.com, www.als-lab.com
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FAX : 02-250-1934, 02-409-4002 E-mail address : analyst@als-lab.com, www.als-lab.com

TEST REPORT

Report : ALS (AY.) No. 1249/25
Client : บริษัท สยามอีสท์ จำกัด (มหาชน)
(โครงการบางนาใต้)
Address : อาคารศูนย์บริการลูกค้า (โถงและสิ่งอำนวยความสะดวก ชั้น 2)
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Sample Description : Wastewater
Collected By : Tapkorn Sriapornya
Sampling Time : 09:40 น.
TEL : (035) 266269-88 FAX : (035) 266269

P. 1/2

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *
pH (at 25.3 °C)	-	Electrometric	7.3	5.5-9.0
BOD	mg / l	5 Day BOD Test	60.2	500
COD	mg / l	Closed Reflux	284	750
Suspended Solids	mg / l	Dried at 103-105 °C	40	200
TKN	mg / l	Micro - Kjeldahl	4.1	100
Oil & Grease	mg / l	Liquid-Liquid, Partition-Gravimetric	3.8	10
Temperature	°C	Laboratory and Field	25.3	45
Sample Condition		Observation		
		ปกติ		

* มาตรฐานการควบคุมคุณภาพน้ำทิ้งโรงงานอุตสาหกรรม ที่ 0352567 หรือ กำหนดมาตรฐานทั่วไปในการระบายน้ำเสียอุตสาหกรรม
น้ำเสียจากโรงงานอุตสาหกรรม (อุตสาหกรรม)

Remark : Reported results refer to submitted samples only.

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:ทั้งนี้ รายงานผลการวิเคราะห์ข้อมูลนี้จัดทำขึ้นเพื่อใช้ประกอบการตัดสินใจ
:การดำเนินงานเท่านั้น ไม่สามารถนำข้อมูลนี้ไปใช้เพื่อการอื่นใดได้



(Signature)
(Tapkorn Sriapornya)
Analyst

(Signature)
(Charitip Aunthum)
Laboratory Manager

(Signature)
(Supornphan Buntuan)
Managing Director

3 - 026/1 - 8 - 0002

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 1249/25
Client : บริษัท สยามอีสท์ จำกัด (มหาชน)
(โครงการบางนาใต้)
Address : อาคารศูนย์บริการลูกค้า (โถงและสิ่งอำนวยความสะดวก ชั้น 2)
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Sample Description : Wastewater
Collected By : Tapkorn Sriapornya
Sampling Time : 09:40 น.
TEL : (035) 266269-88 FAX : (035) 266269

P. 2/2

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *
Phosphorus as P ₂ O ₅	mg / l	Ascorbic Acid	1.02	-
Flow Rate (l)	m ³ / hr	-	550	-
Odour (m)	-	-	Normal	Normal
Sample Condition		Observation		
		ปกติ		

* มาตรฐานการควบคุมคุณภาพน้ำทิ้งโรงงานอุตสาหกรรม ที่ 0352567 หรือ กำหนดมาตรฐานทั่วไปในการระบายน้ำเสียอุตสาหกรรม
น้ำเสียจากโรงงานอุตสาหกรรม (อุตสาหกรรม)
น้ำเสียจากโรงงานอุตสาหกรรม (อุตสาหกรรม)

Remark : Reported results refer to submitted samples only.

This report shall not reproduced , except in full , without prior approval of the Management



(Signature)
(Tapkorn Sriapornya)
Analyst

(Signature)
(Charitip Aunthum)
Laboratory Manager

(Signature)
(Supornphan Buntuan)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (BKK.) No. 2806025
Client : บริษัท สหพัฒน์ จำกัด (มหาชน)
(โครงการท่าเรือ)
Address : อาคารศูนย์บริการท่าเรือท่าเรือแหลมฉบัง ชั้น 2
139 หมู่ 2 อ.แสนสุข อ.เมืองชลบุรี จ.ชลบุรี
จ.ท่าเรือท่าเรือ 13160
TEL : (038) 268265-88 FAX : (038) 268269
Reported Date : October 27, 2025
Received Date : October 1, 2025
Analytical Date : October 1 - 27, 2025
Sample No. : (BKK) W5074
Collected By : Suchat Pattanasawad
Sampling Time : 09:40 น.

Sample Description : Waste water, Physical Appearance : Cloudy grey, total volume 2L / Ref. AY W / 3185

Sampling Date : October 1, 2025

Parameter	Unit	Method of Analysis	Result		Standard
			Influent (Inlet Equalization Tank)		
Colour	AZU	ACMI Weighted-Orbital Spectrophotometric Method (ISO 2033 : 2109)	(pH 7.41) 34.36 (pH 7.00) 33.40		600

Remark : *ปริมาณค่าวิเคราะห์ที่ต่ำกว่าค่ามาตรฐานที่กำหนดไว้ในการตรวจวิเคราะห์จะแสดงเป็นค่าลบ

Reported results refer to submitted samples only.

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Ms. Saithimol Sangthab-samphon
Chief of Environment Testing Section

Ms. Thairat Suk-ngam
Laboratory Manager

1-025-H-0002

ALS.F.1703.2-0180643

Ms. Supomphan Burijsarin
Managing Director

1-025-H-0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

BRANCH : 11117-278 (BKK) 111, Charoeng Road, Bangkok, Thailand 10110 TEL : 02-262-1446, 02-262-1447, 02-262-1448, 02-262-1449
FAX : 02-262-1446, 02-262-1447, 02-262-1448, 02-262-1449 Email address : info@als.co.th, sales@als.co.th, www.als.co.th
ALSTHAIWA : 11117-278 (BKK) 111, Charoeng Road, Bangkok, Thailand 10110 TEL : 02-262-1446, 02-262-1447, 02-262-1448, 02-262-1449

TEST REPORT

Report : ALS (AY.) No. 1249 1/25
Client : บริษัท สหพัฒน์ จำกัด (มหาชน)
(โครงการท่าเรือ)
Address : อาคารศูนย์บริการท่าเรือท่าเรือแหลมฉบัง ชั้น 2
139 หมู่ 2 อ.แสนสุข อ.เมืองชลบุรี จ.ชลบุรี
จ.ท่าเรือท่าเรือ 13160
TEL : (038) 268265-88 FAX : (038) 268269
Reported Date : October 27, 2025
Received Date : October 1, 2025
Analytical Date : October 1 - 27, 2025
Analysis NO. : AY W / 318525
Sample Description : Wastewater
Collected By : Taplesom Sripasanya
Sampling Time : 09:40 น.

P. 01

Sampling Date : October 1, 2025

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *
pH (at 25.3 °C)	-	Electrometric	7.3	5.5-9.0
BOD	mg / l	5 Day BOD Test	68.2	500
COD	mg / l	Closed Reflux	284	750
Suspended Solids	mg / l	Dried at 103-105 °C	40	200
TKN	mg / l	Macro - Kjeldahl	4.1	100
Phosphorus as P _{tot}	mg / l	Ascorbic Acid	1.02	-
Sample Condition		Observation	ขุ่น	-

* ปริมาณค่าวิเคราะห์ที่ต่ำกว่าค่ามาตรฐานที่กำหนดไว้ในการตรวจวิเคราะห์จะแสดงเป็นค่าลบ

ปริมาณค่าวิเคราะห์ที่ต่ำกว่าค่ามาตรฐาน

Remark : Reported results refer to submitted samples only.

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Ms. Taplesom Sripasanya
Analyst

(Charithap Aunthum)

Laboratory Manager

Ms. Supomphan Burijsarin
Managing Director

(Charithap Aunthum)

Laboratory Manager

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

BRANCH : 11117-278 (BKK) 111, Charoeng Road, Bangkok, Thailand 10110 TEL : 02-262-1446, 02-262-1447, 02-262-1448, 02-262-1449
FAX : 02-262-1446, 02-262-1447, 02-262-1448, 02-262-1449 Email address : info@als.co.th, sales@als.co.th, www.als.co.th
ALSTHAIWA : 11117-278 (BKK) 111, Charoeng Road, Bangkok, Thailand 10110 TEL : 02-262-1446, 02-262-1447, 02-262-1448, 02-262-1449

TEST REPORT

Report : ALS (BKK) No. 266255
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลกรุงเทพ)
Address : อาคารศูนย์บริการทางการแพทย์ โรงพยาบาลกรุงเทพ ชั้น 2
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Collected By : สุชาติ พันธ์นามราชวงศ์
Sampling Time : 09:20 น.
Reported Date : October 27, 2025
Received Date : October 1, 2025
Analysis Date : October 1 - 27, 2025
Sample No. : (BKK) W/0075
TEL : (035) 266255-68 FAX : (035) 266259
Sample Description : Waste water, Physical Appearance : Clear, total volume 5L / Rpt. AY.W / 3156
Sampling Date : October 1, 2025

Sample Description : Waste water, Physical Appearance : Clear, total volume 5L / Rpt. AY.W / 3156
Sampling Date : October 1, 2025

Parameter	Unit	Method of Analysis	Result	Effluent (Outlet Polluting Point)	Std. Eff.	Detection Limit
Mercury	mg / l Hg	APHA, 24th edition 2022, 2500 Hg, 3112B	< 0.001	< 0.001	0.005	0.001
Lead	mg / l Pb		< 0.10	< 0.10	0.2	0.10
Cadmium	mg / l Cd		< 0.02	< 0.02	0.03	0.02
Copper	mg / l Cu	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24th Edition, 2022 part 3111 B, 3030 B	0.09	0.09	2.0	0.02
Zinc	mg / l Zn		< 0.02	< 0.02	5.0	0.02
Nickel	mg / l Ni		0.04	0.04	1.0	0.04
Arsenic	mg / l As	EPA 3015b and SM 3114G	< 0.001	< 0.001	0.25	0.001
Cobalt	AtM	ADMA Wavelength-Dispersive Spectrophotometric Method (AM 2003 : 3120P)	(pH 7.35) 19.31 (pH 7.00) 21.22	(pH 7.35) 19.31 (pH 7.00) 21.22	300	-

Remarks : ข้อมูลผลการวิเคราะห์การปนเปื้อนในน้ำเสียจากโรงงานอุตสาหกรรม (น้ำทิ้ง) ของโรงงานอุตสาหกรรม
ข้อมูลการวิเคราะห์การปนเปื้อนในน้ำเสียจากโรงงานอุตสาหกรรม (น้ำทิ้ง) ของโรงงานอุตสาหกรรม
Reported results refer to submitted samples only
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Mr Mongkol Pochella
Chief of Heavy Metal Testing Section
1-025-4-0003
ALS.P.1702.2-01 (0004)

Ms. Tharat Suk-ngam
Laboratory Manager
1-025-4-0004

Ms Supornchan Buihuen
Managing Director
1-025-4-0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

Head Office : 81121228 Ba Mueang New, Chomwong Road Bangkok, Thailand 10120 TEL : 02-266-2555, 02-266-2556, 02-266-2557
Fax : 02-266-2558, 02-266-2559 E-mail address : info@als.co.th, www.als.co.th
Branch Office : 38 Moo 11, Sanmita Road, Bangkok 10110, Thailand TEL : 02-266-2555, 02-266-2556, 02-266-2557
Fax : 02-266-2558, 02-266-2559 E-mail address : info@als.co.th, www.als.co.th

TEST REPORT

Report : ALS (AY) No. 1250.1225
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงพยาบาลกรุงเทพ)
Address : อาคารศูนย์บริการทางการแพทย์ โรงพยาบาลกรุงเทพ ชั้น 2
139 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110
Collected By : Taplesorn Sripadanya
Sampling Time : 09:20 น.
Reported Date : October 27, 2025
Received Date : October 1, 2025
Analysis Date : October 1 - 27, 2025
Analysis NO. : AY.W / 315625
Sample Description : Wastewater
TEL : (035) 266255-68 FAX : (035) 266259

Sampling Date : October 1, 2025

Waste Water Treatment Plant					
Parameter	Unit	Method	Effluent (Outlet Polluting Point)	Std. Eff.	
pH (at 25.7 °C)	-	Electrometric	7.2	5.5 - 9.0	
BOD	mg / l	5 Day BOD Test	4.5	20	
COD	mg / l	Closed Reflux	< 40	120	
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50	
TSS	mg / l	Macro - Kjeldahl	1.4	100	
Phosphorus as P ₂	mg / l	Ascorbic Acid	0.96	-	
Sample Condition		Observation	1a	-	

(1) ข้อมูลผลการวิเคราะห์การปนเปื้อนในน้ำเสียจากโรงงานอุตสาหกรรม

* ข้อมูลผลการวิเคราะห์การปนเปื้อนในน้ำเสียจากโรงงานอุตสาหกรรม (น้ำทิ้ง) ของโรงงานอุตสาหกรรม
ข้อมูลผลการวิเคราะห์การปนเปื้อนในน้ำเสียจากโรงงานอุตสาหกรรม (น้ำทิ้ง) ของโรงงานอุตสาหกรรม

Remarks : Reported results refer to submitted samples only
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Taplesorn Sripadanya
Analyst

Chandhip Aunim
Laboratory Manager

Supornchan Buihuen
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

Head Office : 81121228 Ba Mueang New, Chomwong Road Bangkok, Thailand 10120 TEL : 02-266-2555, 02-266-2556, 02-266-2557
Fax : 02-266-2558, 02-266-2559 E-mail address : info@als.co.th, www.als.co.th
Branch Office : 38 Moo 11, Sanmita Road, Bangkok 10110, Thailand TEL : 02-266-2555, 02-266-2556, 02-266-2557
Fax : 02-266-2558, 02-266-2559 E-mail address : info@als.co.th, www.als.co.th

TEST REPORT

Report : ALS (AY.) No. 1251/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โครงการบ้านปลื้ม)
Address : ทางหลวงพิเศษสาทรกมที่ 10 แยกเลี้ยวซ้าย ร่ม 2
139 หมู่ 2 ต.สุขุมวิท อ.คลองเตย จ.นนทบุรี
โทรสาร 02-255 1402
E-mail address : info@als-lab.com
Sampling Date : October 1, 2025
Sampling Time : 09.15 น.
P. 12

Waste Water Treatment Plant				
Parameter	Unit	Method	ผลการทดสอบ % ความสะอาดตาม กฎหมาย	Std. Eff. *
pH (at 24.0 °C)	-	Electrometric	7.2	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	2.4	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TKN	mg / l	Macro - Kjeldahl	1.2	100
Oil & Grease	mg / l	Liquid-Liquid Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	172	3,000
Temperature	°C	Laboratory and Field	24.6	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition	Observation			ไม่

* หมายเหตุ: ผลการทดสอบการบำบัดน้ำเสียตามมาตรฐานของกรมควบคุมมลพิษ (พ.ร.บ. 2559)
ข้อมูลผลการบำบัดน้ำเสียตามมาตรฐาน (พ.ร.บ. 2559)

บริษัท แอลแลคคา ลอเบทอรัล เซอร์วิส จำกัด
ได้รับมอบหมายให้ดำเนินการทดสอบ

Remark : Reported results refer to submitted samples only.

This report shall not reproduced , except in full , without prior approval of the Management.



T. Sriporn
Taplesorn Sripornayee
Analyst

Chantip Aunlum
Laboratory Manager

Supornphan Buriwatin
Managing Director

3 - 026/1 - # - 0002

3 - 026/1 - # - 0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 1251/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โครงการบ้านปลื้ม)
Address : ทางหลวงพิเศษสาทรกมที่ 10 แยกเลี้ยวซ้าย ร่ม 2
139 หมู่ 2 ต.สุขุมวิท อ.คลองเตย จ.นนทบุรี
โทรสาร 02-255 1402
E-mail address : info@als-lab.com
Sampling Date : October 1, 2025
Sampling Time : 09.15 น.
P. 22

Waste Water Treatment Plant				
Parameter	Unit	Method	ผลการทดสอบ % ความสะอาดตาม กฎหมาย	Std. Eff. *
Phosphorus as P _{in}	mg / l	Ascorbic Acid	0.28	-
Odour m	-	-	Normal	Normal
Sample Condition	Observation			ไม่

(1) ไม่อยู่ในเกณฑ์มาตรฐานโรงงานบำบัดน้ำเสีย

* หมายเหตุ: ผลการทดสอบการบำบัดน้ำเสียตามมาตรฐานของกรมควบคุมมลพิษ (พ.ร.บ. 2559)
ข้อมูลผลการบำบัดน้ำเสียตามมาตรฐาน (พ.ร.บ. 2559)

Remark : Reported results refer to submitted samples only.

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T. Sriporn
Taplesorn Sripornayee
Analyst

Chantip Aunlum
Laboratory Manager

Supornphan Buriwatin
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY) No. 1350/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โกลบอลเทรดดิ้ง)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์ อาคารสี่มุม ชั้น 2
139 หมู่ 2 ต.เกษตรพัฒนา อ.เกษตรวิสัย จ.อุบลราชธานี
จ.อุบลราชธานี 31160
TEL : (035) 253555-60 FAX : (035) 253559
Sampling Date : November 5, 2025
Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5-21, 2025
Analysis NO. : AY.W/3479/25
Sample Description : Wastewater
Collected By : Tapkessom Sripachayra
Sampling Time : 09.25 น.

P. 1/2

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *
pH (at 25.3 °C)	-	Electrometric	7.7	5.5-9.0
BOD	mg/l	5 Day BOD Test	73.4	500
COD	mg/l	Closed Reflux	181	750
Suspended Solids	mg/l	Dried at 103-105 °C	56	200
TN	mg/l	Macro - Kjeldahl	11.3	100
Oil & Grease	mg/l	Liquid-Liquid Partition-Gravimetric	3.0	10
Temperature	°C	Laboratory and Field	25.3	45
Sample Condition		Observation	ตามรูป	-

* ประกาศกระทรวงอุตสาหกรรมฉบับที่ 192/2567 เรื่อง กำหนดมาตรฐานค่าในอุตสาหกรรมสำหรับปล่อยสู่ธรรมชาติ
น้ำเสียจากโรงงานอุตสาหกรรม

Remark : Reported results refer to submitted samples only.
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บริษัท แอลแลคโบล แอแนลิทิคอล เซอร์วิส จำกัด
ให้บริการวิเคราะห์และทดสอบในห้องปฏิบัติการ



D. Supap
(Tapkessom Sripachayra)
Analyst

D. Supap (not)
(Chanthip Aunium)
Laboratory Manager

M. Pongyong (not)
(Supornphan Buntueein)
Managing Director

3 - 025/1 - W - 0002

TEST REPORT

Report : ALS (AY) No. 1245/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โกลบอลเทรดดิ้ง)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์ อาคารสี่มุม ชั้น 2
139 หมู่ 2 ต.เกษตรพัฒนา อ.เกษตรวิสัย จ.อุบลราชธานี
จ.อุบลราชธานี 31160
TEL : (035) 253555-60 FAX : (035) 253559
Sampling Date : November 5, 2025
Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5-21, 2025
Analysis NO. : AY.W/3479/25
Sample Description : Wastewater
Collected By : Tapkessom Sripachayra
Sampling Time : 09.25 น.

P. 2/2

Waste Water Treatment Plant				
Parameter	Unit	Method	Influent (Inlet Equalization Tank)	STD *
Phosphorus as P _T	mg/l	Ascorbic Acid	1.10	-
Flow Rate _{in}	m ³ /hr	-	624	-
Odour _{in}	-	-	Normal	Normal
Sample Condition		Observation	ตามรูป	-

* ประกาศกระทรวงอุตสาหกรรมฉบับที่ 192/2567 เรื่อง กำหนดมาตรฐานค่าในอุตสาหกรรมสำหรับปล่อยสู่ธรรมชาติ
น้ำเสียจากโรงงานอุตสาหกรรม
1) ไม่อยู่ในเกณฑ์มาตรฐานที่กำหนด

Remark : Reported results refer to submitted samples only.
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D. Supap
(Tapkessom Sripachayra)
Analyst

Chanthip Aunium
(Chanthip Aunium)
Laboratory Manager

Supornphan Buntueein
(Supornphan Buntueein)
Managing Director

TEST REPORT

Report : ALS (BKK) No. 3145/25
Client : บริษัท ซีพีเอฟ จำกัด (มหาชน)
(โรงงานบางบาล)
Address : อำเภอเมืองนนทบุรี จังหวัดนนทบุรี หมู่ 2
130 หมู่ 2 ถนนพหลโยธิน แขวงลำลูกกา อำเภอเมือง
จังหวัดนนทบุรี 13160
Sample No. : (BKK) WFS41B
Collected By : Suchat Pattanasawad
Sampling Time : 09:25 น.
Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5 - 21, 2025

TEL : (035) 26536-66 FAX : (035) 265359

Sample Description : Waste water Physical Appearance : Cloudy grey / total volume 5L / Ref: AY W / 3479

Sampling Date : November 5, 2025

Parameter	Unit	Method of Analysis	Result		Standard
			Influent (Inlet Equalization Tank)		
Colour	ACU	APM Visual Oculature Spectrophotometric Method (ISO 2021: 21207)	pH 7.63 / 37.36	pH 7.00 / 38.56	600

Remarks : * ตรวจพบค่าเกินมาตรฐานตามเกณฑ์ของ 020/2567 และ 020/2567 ที่กรมส่งเสริมการค้าระหว่างประเทศกำหนด

Standard/Reference

Reported results refer to submitted samples only

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ALS P.1763.2-0118663
Ms. Srinol Singhita-amphon
Chief of Environment Testing Section
1-026-4-0002
Ms. Tharat Suk-ngam
Laboratory Manager
1-026-4-0004
Ms. Supomphan Buntueain
Managing Director
1-026-4-0001

ALS P.1763.2-0118663

TEST REPORT

Report : ALS (AY) No. 1360 1/25
Client : บริษัท ซีพีเอฟ จำกัด (มหาชน)
(โรงงานบางบาล)
Address : อำเภอเมืองนนทบุรี จังหวัดนนทบุรี หมู่ 2
130 หมู่ 2 ถนนพหลโยธิน แขวงลำลูกกา อำเภอเมือง
จังหวัดนนทบุรี 13160
Sample No. : AY W / 3479/25
Sample Description : Wastewater
Collected By : Tapkesorn Sriprachya
Sampling Time : 09:25 น.
Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5 - 21, 2025

TEL : (035) 265366-68 FAX : (035) 265359

Sampling Date : November 5, 2025

Waste Water Treatment Plant					
Parameter	Unit	Method	Influent (Inlet Equalization Tank)		STD. *
pH (at 25.3 °C)	-	Electrometric	7.7		5.5-9.0
BOD	mg / l	5 Day BOD Test	73.4		500
COD	mg / l	Closed Reflux	181		750
Suspended Solids	mg / l	Dried at 103-105 °C	56		200
TKN	mg / l	Micro - Kjeldahl	11.3		100
Phosphorus as P ₂ O ₅	mg / l	Ascorbic Acid	1.10		-
Sample Condition		Observation	เขียว		-

* มาตรฐานค่าคุณภาพตามเกณฑ์ของ 020/2567 และ 020/2567 ที่กรมส่งเสริมการค้าระหว่างประเทศกำหนด

Standard/Reference

Reported results refer to submitted samples only

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ALS
V.D. Sripach (AY)
(Tapkesorn Sriprachya)
Analyst
V.D. Sripach (AY)
(Chanitip Aunum)
Laboratory Manager
Managing Director
Supomphan Buntueain
(Supomphan Buntueain)
Managing Director

TEST REPORT

Report: ALS (AY) No. 1361/25
Client: บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โครงการบางปะอิน)
Address: อาคารศูนย์บริการลูกค้ากรุงเทพมหานครและปริมณฑล ชั้น 2
139 หมู่ 2 อ.บางปะอิน จ.นนทบุรี 11000
โทรศัพท์: 13160
Sampling Date: November 5, 2025
Reported Date: November 21, 2025
Received Date: November 5, 2025
Analytical Date: November 5 - 21, 2025
Analysis NO: AY.W / 3480/25
Sample Description: Wastewater
Collected By: Tapkeasorn Sripaoraya
Sampling Time: 09.05 น.

P. 1/2

Waste Water Treatment Plant				
Parameter	Unit	Method	Effluent (Outlet Polishing Pond)	Std. EFF *
pH (at 25.0 °C)	-	Electrometric	7.7	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	8.3	20
COO	mg / l	Closed Reflux	60	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TKN	mg / l	Macro - Kjeldahl	1.2	100
Oil & Grease	mg / l	Liquid-Liquid, Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	1,289	3,000
Temperature	°C	Laboratory and Field	25.6	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition	Observation			
	Ta			

* ปกติค่าตรวจวัดค่าทางกายภาพและเคมีของน้ำทิ้งจากโรงงานอุตสาหกรรม
จะต้องไม่เกินค่ามาตรฐานที่กำหนด (พ.ร.บ. 2559)

Remark: Reported results refer to submitted samples only.

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บริษัท แอลเอส แอนะลิติคัล เซอร์วิส จำกัด
ไม่รับผิดชอบต่อความเสียหายใดๆ ที่เกิดขึ้น



VJ Sripaya
(Tapkeasorn Sripaoraya)
Analyst

VJ Sripaya
(Charitip Aunlum)
Laboratory Manager

Al Laksapattana
(Supomphan Buntueasin)
Managing Director

T - 02671 - H - 0002

T - 02671 - H - 0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

BRANCH: 411377-275 Sukhumvit Road, Chongnong Road, Bangkok, Thailand 10110 TEL: 02-260 1445, 02-260 1446, 02-260 1447, 02-260 1448
FAX: 02-260 1449, 02-260 1450 E-mail address: als@alslab.com, als@alslab.com, www.alslab.com

ALSTHANA, 81 Sukhumvit Road, Bangkok 10110 E-mail address: als@alslab.com, als@alslab.com TEL: 02-260 1445, 02-260 1446, 02-260 1447, 02-260 1448

TEST REPORT

Report: ALS (AY) No. 1361/25
Client: บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โครงการบางปะอิน)
Address: อาคารศูนย์บริการลูกค้ากรุงเทพมหานครและปริมณฑล ชั้น 2
139 หมู่ 2 อ.บางปะอิน จ.นนทบุรี 11000
โทรศัพท์: 13160
Sampling Date: November 5, 2025
Reported Date: November 21, 2025
Received Date: November 5, 2025
Analytical Date: November 5 - 21, 2025
Analysis NO: AY.W / 3480/25
Sample Description: Wastewater
Collected By: Tapkeasorn Sripaoraya
Sampling Time: 09.05 น.

P. 2/2

Waste Water Treatment Plant				
Parameter	Unit	Method	Effluent (Outlet Polishing Pond)	Std. EFF *
Phosphorus as P _(H)	mg / l	Ascorbic Acid	0.96	-
Flow Rate ^(H)	m ³ /hr	-	624	-
Odour ^(H)	-	-	Normal	Normal
Sample Condition	Observation			
	Ta			

(H) ข้อมูลที่บันทึกไว้จะขึ้นอยู่กับเงื่อนไข

* ปกติค่าตรวจวัดค่าทางกายภาพและเคมีของน้ำทิ้งจากโรงงานอุตสาหกรรม
จะต้องไม่เกินค่ามาตรฐานที่กำหนด (พ.ร.บ. 2559)

Remark: Reported results refer to submitted samples only.

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VJ Sripaya
(Tapkeasorn Sripaoraya)
Analyst

Charitip Aunlum
(Charitip Aunlum)
Laboratory Manager

Supomphan Buntueasin
(Supomphan Buntueasin)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

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FAX: 02-260 1449, 02-260 1450 E-mail address: als@alslab.com, als@alslab.com, www.alslab.com

ALSTHANA, 81 Sukhumvit Road, Bangkok 10110 E-mail address: als@alslab.com, als@alslab.com TEL: 02-260 1445, 02-260 1446, 02-260 1447, 02-260 1448

TEST REPORT

Report : ALS (BKK) No. 314625
Client : บริษัท ชีวภัณฑ์ จำกัด (มหาชน)
(โรงงานบางนา) :
Address : อาคารศูนย์บริการลูกค้า/โหนดแม่เหล็กชั้น 2
139 หมู่ 2 อ.สุขุมวิท จ.นนทบุรี
Sample No. : (BKK) W5419
Collected By : สุชาติ พิลาธรรมมวดี
Sampling Time : 09.05 น.
Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5 - 21, 2025
Analysis NO. : AY.W/348025
Sample Description : Wastewater
Collected By : Taplesorn Shipachaiya
Sampling Time : 09.05 น.
TEL : (035) 268255-68 FAX : (035) 268259

Sample Description : Waste water, Physical Appearance : Clear, total volume BL / Ref. AY.W/3480

Sampling Date : November 5, 2025

Parameter	Unit	Method of Analysis	Result		Standard	
			Effluent (Outlet Polluting Pond)	Detention Limit	Std. Eff.	Detention Limit
Mercury	mg/l Hg	MPHA, 24h ultra, 2023, 2000-Hg, 3112B	< 0.001	0.001	0.005	0.001
Lead	mg/l Pb	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24th Edition, 2023 part 3111 B, 3005 E	< 0.10	0.10	0.2	0.10
Cadmium	mg/l Cd		< 0.02	0.02	0.03	0.02
Copper	mg/l Cu		0.08	0.02	2.0	0.02
Zinc	mg/l Zn		0.03	0.02	5.0	0.02
Nickel	mg/l Ni		0.05	0.04	1.0	0.04
Arsenic	mg/l As	EPA 3010A and SM 3114C	< 0.001	0.25	0.25	0.001
Colour	ACU	APHA Weighted-Colour Spectrophotometric Method (2000-2003 / 2120F)	(pH 7.56) 35.17 (pH 7.00) 22.37	300		

Remark : ข้อมูลการตรวจวิเคราะห์เป็นข้อมูลเบื้องต้น เพื่อให้ทราบถึงแนวโน้มการปนเปื้อนของน้ำเสียก่อนการตรวจ

Reported results refer to submitted samples only

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Mr. Mongkikhon Puchalla
Chief of Heavy Metal Testing Section
T-025-4-0003

Ms. Tharatul Sui-ngam
Laboratory Manager
T-025-4-0004

Ms. Supornphan Bunlueasin
Managing Director
T-025-4-0001

ALS.F.I.702.3-01(0054)

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

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ALSTHAIWA : 88 Moo 11, Samnang Road, Nongkhai, Sakon Nakhon 47145 E-mail address : als@nongkhai.alslab.com TEL : 0800 150 514 Fax : 0800 155 074

TEST REPORT

Report : ALS (AY) No. 13611/25
Client : บริษัท ชีวภัณฑ์ จำกัด (มหาชน)
(โรงงานบางนา) :
Address : อาคารศูนย์บริการลูกค้า/โหนดแม่เหล็กชั้น 2
139 หมู่ 2 อ.สุขุมวิท จ.นนทบุรี
Sample No. : AY.W/348025
Sample Description : Wastewater
Collected By : Taplesorn Shipachaiya
Sampling Time : 09.05 น.
Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5 - 21, 2025
Analysis NO. : AY.W/348025
Sample Description : Wastewater
Collected By : Taplesorn Shipachaiya
Sampling Time : 09.05 น.
TEL : (035) 268255-68 FAX : (035) 268259

Sampling Date : November 5, 2025

Waste Water Treatment Plant					
Parameter	Unit	Method	Effluent (Outlet Polluting Pond)	Std. Eff.	Std. Eff.
pH (at 25.8 °C)	-	Electrometric	7.7	5.5 - 9.0	-
BOD	mg/l	5 Day BOD Test	8.3	20	-
COD	mg/l	Closed Reflux	60	120	-
Suspended Solids	mg/l	Dried at 103-105 °C	< 10	50	-
TKN	mg/l	Micro - Kjeldahl	1.2	100	-
Phosphorus as P _{in}	mg/l	Ascorbic Acid	0.96	-	-
Sample Condition	Observation				

หมายเหตุ : ข้อมูลการตรวจวิเคราะห์เป็นข้อมูลเบื้องต้น เพื่อให้ทราบถึงแนวโน้มการปนเปื้อนของน้ำเสียก่อนการตรวจ

* ข้อมูลการตรวจวิเคราะห์เป็นข้อมูลเบื้องต้น เพื่อให้ทราบถึงแนวโน้มการปนเปื้อนของน้ำเสียก่อนการตรวจ

ข้อมูลการตรวจวิเคราะห์เป็นข้อมูลเบื้องต้น เพื่อให้ทราบถึงแนวโน้มการปนเปื้อนของน้ำเสียก่อนการตรวจ

Remark : Reported results refer to submitted samples only

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Dr. Suporn (pr)
(Chantip Aunum)
Laboratory Manager

Dr. Suporn (pr)
(Chantip Aunum)
Laboratory Manager

Dr. Suporn (pr)
(Chantip Aunum)
Laboratory Manager

Analyst

Analyst

Analyst

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

BRANCH : 41/107/273 Soi Nonthaburi, Chomwong Road, Bangkok, Thailand 10150 TEL : 02-023 1446, 02-205 1416, 02-006 0144, 02-005 8822 FAX : 02-023 1446, 02-205 1402 E-mail address : info@alslab.com, thailand@alslab.com, www.alslab.com

ALSTHAIWA : 88 Moo 11, Samnang Road, Nongkhai, Sakon Nakhon 47145 E-mail address : als@nongkhai.alslab.com TEL : 0800 150 514 Fax : 0800 155 074

TEST REPORT

Report ALS (BKK) No. 3147/25
Client บริษัท ชัยวัฒน์ จำกัด (มหาชน)
(สาธารณูปโภค)
Address : อาคารศูนย์บริการลูกค้า/โครงการสีลมซอย 2
139 หมู่ 2 อ.สุขุมวิท จ.คลองเตย กรุงเทพมหานคร
โทรสาร : 02-268266-88 FAX : (035) 268269
Sampling Date : November 5, 2025
Sample No. : (BKK) W/5420
Collected By : Suttharat Pattanasarnwong
Sampling Time : 09:00 น.

Reported Date : November 21, 2025
Received Date : November 5, 2025
Analytical Date : November 5 - 21, 2025
TEL : (035) 268266-88 FAX : (035) 268269
Sample Description : Waste water, Physical Appearance : Clear, total volume 5L / Ref. A.Y.W / 3481
Sampling Date : November 5, 2025

Parameter	Unit	Method of Analysis	Result	Standard
Mercury	mg/l Hg	APHA, 24th Edition, 2023, 8030-Hg, 3112B	< 0.001	0.005
Lead	mg/l Pb		< 0.10	0.2
Cadmium	mg/l Cd		< 0.02	0.03
Copper	mg/l Cu	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24th Edition, 2023 part 3111 B, 3020 E	< 0.02	2.0
Zinc	mg/l Zn		0.05	5.0
Nickel	mg/l Ni		< 0.04	1.0
Arsenic	mg/l As	EPA 2018A and SM 3114C	< 0.001	0.25
Colour	ADU	APHA Weighted-Observer Spectrophotometric Method (SM 2131, 2100)	(pH 7.42) 20.91 (pH 7.00) 16.39	300

Remark : *โปรดพิจารณาผลการทดสอบตามค่าที่ได้แสดงไว้เป็นค่ารวมของสารทั้งหมดที่ส่งมาทดสอบ
*ผลการทดสอบอาจมีค่าผิดพลาดได้เนื่องจากข้อผิดพลาดในการเก็บตัวอย่างหรือการวิเคราะห์ในห้องปฏิบัติการ
*โปรดพิจารณาผลการทดสอบตามค่าที่ได้แสดงไว้เป็นค่ารวมของสารทั้งหมดที่ส่งมาทดสอบ
Reported results refer to submitted samples only
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Mr. Mongkhon Pochalla
Chief of Heavy Metal Testing Section
ALS T.1702.3-0140503
Ms. Thirarat Suk-ngam
Laboratory Manager
ALS T.1702.3-0004
Ms. Supornpun Bunlueasin
Managing Director
ALS T.1702.3-0001

TEST REPORT

Report : ALS(BKK) No. 3456725
Client : บริษัท สหพัฒนพิบูล จำกัด (มหาชน)
(โครงการบ้านเอื้อเฟื้อ)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์/โถงทางเดินหมายเลข 2
129 หมู่ 2 ซอยสุขุมวิท 111 ถนนสุขุมวิท กรุงเทพมหานคร
จ.กรุงเทพมหานคร 10110
TEL : (035) 262266-68 FAX : (035) 262269
P.1/1

Reported Date : December 23, 2023
Received Date : December 3, 2023
Analytical Date : December 3 - 23, 2023
Sample No. : (BKK) W55972
Collected By : Suchat Pattanasawadit
Sampling Time : 09.05 น.

Sample Description : Waste water, Physical Appearance : Clear, total volume 5L / Ref. AY.W / 3740
Sampling Date : December 3, 2023

Parameter	Unit	Method of Analysis	Result	Standard
Mercury	mg/l Hg	APHA, 2484 edition 2002, 3000 Hg, 3112B	< 0.001	0.005
Lead	mg/l Pb		< 0.10	0.2
Calcium	mg/l Ca		< 0.02	0.03
Copper	mg/l Cu	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24th Edition, 2002 (method 3111 B, 3020 E)	0.08	2.0
Zinc	mg/l Zn		0.03	5.0
Nickel	mg/l Ni		< 0.04	1.0
Arsenic	mg/l As	EPA 3510A and SM 3114G	< 0.001	0.25
Colour	APHA	APHA 2120B-Orbital Spectrophotometric Method (SM 2120F)	(pH 7.48) 17.07 (pH 7.00) 15.99	300

Remarks : ไม่พบค่าผิดปกติในการตรวจวิเคราะห์ตามเกณฑ์ที่กำหนด
ข้อมูลผลการวิเคราะห์การตรวจวิเคราะห์ตามเกณฑ์ที่กำหนด (พ.ร.บ. 2559)
Reported results refer to submitted samples only.
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Mr. Mongkhon Pochraha
Chief of Heavy Metal Testing Section
3-026-n-0003
Ms. Theeraporn Suk-ngam
Laboratory Manager
3-026-n-0024
Ms. Supornphan Bunluean
Managing Director
3-026-n-0001

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS(AY) No. 1490125
Client : บริษัท สหพัฒนพิบูล จำกัด (มหาชน)
(โครงการบ้านเอื้อเฟื้อ)
Address : อาคารศูนย์บริการลูกค้าสัมพันธ์/โถงทางเดินหมายเลข 2
136 หมู่ 2 ซอยสุขุมวิท 111 ถนนสุขุมวิท กรุงเทพมหานคร
จ.กรุงเทพมหานคร 10110
TEL : (035) 262266-68 FAX : (035) 262269
P.1/1

Reported Date : December 23, 2023
Received Date : December 3, 2023
Analytical Date : December 3 - 23, 2023
Sample NO. : AY.W / 374925
Sample Description : Wastewater
Collected By : Tapasorn Sripattaya
Sampling Time : 09.05 น.

Parameter	Unit	Method	Effluent (Outlet Polluting Pond)	Std. Eff *
pH (at 25.4 °C)	-	Electrometric	7.4	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	3.1	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	11	50
TKN	mg / l	Micro - Kjeldahl	1.7	100
Phosphorus as P in	mg / l	Ascorbic Acid	0.56	-
Sample Condition		Observation	Nil	-

(*) ไม่พบค่าผิดปกติในการตรวจวิเคราะห์ตามเกณฑ์ที่กำหนด

* ไม่พบค่าผิดปกติในการตรวจวิเคราะห์ตามเกณฑ์ที่กำหนด เนื่องจากผลการตรวจวิเคราะห์การตรวจวิเคราะห์ตามเกณฑ์ที่กำหนด (พ.ร.บ. 2559)
ข้อมูลผลการวิเคราะห์การตรวจวิเคราะห์ตามเกณฑ์ที่กำหนด (พ.ร.บ. 2559)

Remarks : Reported results refer to submitted samples only.
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Dr. Supert
(Tapasorn Sripattaya)
Analyst
Charitip Aunium
(Charitip Aunium)
Laboratory Manager
Supornphan Bunluean
(Supornphan Bunluean)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS (AY.) No. 1491/25
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
(โรงงานกระดาษวังน้อย)
Address : อ.บางบาล จ.พระนครศรีอยุธยา ถนนสายวังน้อย-วังน้อย
139 หมู่ 2 ต.บางบาล อ.บางบาล จ.พระนครศรีอยุธยา
สำนักงานวิทยบริการ 13160
TEL : (035) 266266-68 FAX : (035) 266269
Sampling Date : December 3, 2025
P. 1/2

Waste Water Treatment Plant				
Parameter	Unit	Method	ค่ามาตรฐานตามข้อกำหนด % limit ตามมาตรฐาน กฎหมาย	Std. Eff. *
pH (at 25.4 °C)	-	Electrode	7.4	5.5 - 9.0
BOD	mg / l	5 Day BOD Test	2.3	20
COD	mg / l	Closed Reflux	< 40	120
Suspended Solids	mg / l	Dried at 103-105 °C	< 10	50
TKN	mg / l	Macro - Kjeldahl	4.1	100
Oil & Grease	mg / l	Liquid-Liquid Partition-Gravimetric	< 2.0	5
TDS	mg / l	Dried at 180 °C	150	3,000
Temperature	°C	Laboratory and Field	25.4	40
Chromium as Cr ⁶⁺	mg / l	Colorimetric	< 0.02	0.25
Sample Condition	Observation			
	ใส			

* ปริมัตถการตรวจวิเคราะห์ตามมาตรฐานสิ่งแวดล้อม ต้อง ผ่านมาตรฐานตามกฎกระทรวงว่าด้วยการบำบัดน้ำเสียโรงงานอุตสาหกรรม
ตามกฎหมายว่าด้วยการควบคุมการปล่อยมลพิษ (พ.ศ. 2558)

Remark : Reported results refer to submitted samples only.
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บริษัท แอลแลคโบลอ อะนาลิติกอล เซอร์วิส จำกัด
ทรัพย์สินทางปัญญาสงวนลิขสิทธิ์ 1436/1

T. S. Sriporn (Taplesorn Sripornayak)
Analyst
3 - 02671 - 4 - 0002

Samth. Al. (A) (Supornthan Bunlueain)
Laboratory Manager
3 - 02671 - 4 - 0001

(Supornthan Bunlueain)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS(BKK) No. 346025
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
Address : อาคารศูนย์บริหารสารเคมีอุตสาหกรรมและสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 อ.สามพราน จ.นครปฐม
Tel. (035) 268266-68 FAX. (035) 268269
Sample No. : (BKK) W5673
Collected By : สุชาติ ประจักษ์ประณีต
Sampling Time : 09:00 น.
Reported Date : December 23, 2025
Received Date : December 3, 2025
Analytical Date : December 3 - 23, 2025
Sample Description : Waste water, Physical Appearance : Clear, total volume 5L / Ref. AY.W/3750

Parameter	Unit	Method of Analysis	Result	Standard
Mercury	mg/l Hg	APHA, 24th edn 2002, 3500-Hg, 3112B	< 0.001	0.005
Lead	mg/l Pb		< 0.10	0.2
Cadmium	mg/l Cd		< 0.02	0.03
Copper	mg/l Cu	Standard Methods for the Examination of Water and Wastewater APHA, AWWA & WEF, 24th Edition, 2002 part 2111 B, 3030-E	< 0.02	2.0
Zinc	mg/l Zn		0.04	5.0
Nickel	mg/l Ni		< 0.04	1.0
Arsenic	mg/l As	EPA, 3015A and 3015C	< 0.001	0.25
Colour	ADMI	ADMI Visual/ Oudine Spectrophotometric Method (2002, 2120F)	(pH 7.32) 16.32 (pH 7.00) 14.57	300

Remark : "ปริมาณสารเคมีที่ตรวจพบในตัวอย่างน้ำทิ้งจากกระบวนการผลิตของโรงงานอุตสาหกรรม
ดังกล่าวอยู่ในเกณฑ์มาตรฐานที่กำหนดไว้ (พ.ร.บ. 2559)
Reported results refer to submitted samples only
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S. S.

Mr. Mongkhon Pochalla
Chief of Heavy Metal Testing Section
3-025-4-0003

Th

Ms. Tharat Suk-ngam
Laboratory Manager
3-025-4-0004

SA

Ms. Suporn Buntuan
Managing Director
3-025-4-0001

ALS.B.1702.2-0100563

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

TEST REPORT

Report : ALS(AY) No. 1491125
Client : บริษัท สหพัฒนคัลยา จำกัด (มหาชน)
Address : อาคารศูนย์บริหารสารเคมีอุตสาหกรรมและสิ่งแวดล้อม ชั้น 2
139 หมู่ 2 อ.สามพราน จ.นครปฐม
Tel. (035) 268266-68 FAX. (035) 268269
Sample No. : AY.W/375025
Sample Description : Wastewater
Collected By : Tapasorn Sripaayra
Sampling Time : 09:00 น.
Reported Date : December 23, 2025
Received Date : December 3, 2025
Analytical Date : December 3 - 23, 2025
Sample Description : Wastewater
Collected By : Tapasorn Sripaayra
Sampling Time : 09:00 น.

Parameter	Unit	Method	ผลการทดสอบ ตามมาตรฐาน กำหนด	Std. Eff.
pH (at 25.4 °C)	-	Electronic	7.4	5.5 - 8.0
BOD	mg/l	5 Day BOD Test	2.3	20
COD	mg/l	Closed Reflux	< 40	120
Suspended Solids	mg/l	Dried at 103-105 °C	< 10	50
TKN	mg/l	Macro - Kjeldahl	4.1	100
Phosphorus as P ₂	mg/l	Ascorbic Acid	0.44	-
Sample Condition		Observation	ไม่	-

หมายเหตุ : ปริมาณค่าที่พบในตัวอย่างน้ำทิ้งจากกระบวนการผลิตของโรงงานอุตสาหกรรม
ดังกล่าวอยู่ในเกณฑ์มาตรฐานที่กำหนดไว้ (พ.ร.บ. 2559)
Reported results refer to submitted samples only
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Tapasorn Sripaayra
(Tapasorn Sripaayra)
Analyst

Tapasorn Sripaayra
(Chantip Anurum)
Laboratory Manager

Suporn Buntuan
(Suporn Buntuan)
Managing Director

"THINK OF LAB, THINK OF QUALITY AND SERVICES, CHOOSE ALS"

ภาคผนวก ข-6

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพน้ำจากบ่อรวบรวม Leachate





NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : แหล่งน้ำดิบในลำน้ำท่าเรือท่าเรือ 1
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 8, 2025
SAMPLING TIME : 15:25 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAMUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHAPATPARHA

RECEIVED DATE : JULY 8, 2025
ANALYTICAL DATE : JULY 8-17, 2025
ISSUE DATE : JULY 21, 2025
REPORT NO. : 2025-U066234
WORK NO. : 2023-010508
ANALYSIS NO. : T25AP138-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T25AP138-0001		
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 3112 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : 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, 24th EDITION, 2023.
ND : NOT DETECTED
< LOQ : < LIMIT OF QUANTITATION (NICKEL ≥ 0.005 AND < 0.100 mg/L).

Dejawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : แหล่งน้ำดิบในลำน้ำท่าเรือท่าเรือ 2
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 8, 2025
SAMPLING TIME : 14:57 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAMUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHAPATPARHA

RECEIVED DATE : JULY 8, 2025
ANALYTICAL DATE : JULY 8-17, 2025
ISSUE DATE : JULY 21, 2025
REPORT NO. : 2025-U066235
WORK NO. : 2023-010508
ANALYSIS NO. : T25AP138-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T25AP138-0002		
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^b	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 3112 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP-HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR BROWN		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : 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, 24th EDITION, 2023.
ND : NOT DETECTED
< LOQ : < LIMIT OF QUANTITATION (NICKEL ≥ 0.005 AND < 0.100 mg/L).

Dejawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



NSC-TISI-TIS 17025
TESTING 0207

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

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : แหล่งน้ำตามลำน้ำในเขตเทศบาลเมืองสุพรรณบุรี
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 1, 2025
SAMPLING TIME : 09:20 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR SOMCHART UTHUMRAT
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-9, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U072252
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ775-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T25AQ775-0001		
METALS					
CADMIUM ^a	mg/L Cd	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXA VALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr ⁶⁺)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 3112 B)	< LOQ	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

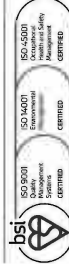
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

ND : NOT DETECTED

< LOQ : < LIMIT OF QUANTITATION (MERCURY ≥ 0.0005 AND < 0.0020 mg/L, NICKEL ≥ 0.005 AND < 0.100 mg/L)

Peyaman V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : แหล่งน้ำตามลำน้ำในเขตเทศบาลเมืองสุพรรณบุรี
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 1, 2025
SAMPLING TIME : 09:55 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR SOMCHART UTHUMRAT
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA
RECEIVED DATE : AUGUST 1, 2025
ANALYTICAL DATE : AUGUST 1-9, 2025
ISSUE DATE : AUGUST 14, 2025
REPORT NO. : 2025-U072253
WORK NO. : 2023-010508
ANALYSIS NO. : T25AQ775-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT EFFLUENT T25AQ775-0002	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM ^a	mg/L Cd	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 312 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP HEM 004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BLACK		

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

^c : 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, 24th EDITION, 2023.

ND : NOT DETECTED

Peyaman V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLE SOURCE : น้ำผิวดินตามเส้นทางถนน เขตอุตสาหกรรมวังน้ำเย็นต.วังน้ำเย็น
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-14, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U082766
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT429-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT EFFLUENT T25AT429-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 3102 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.100
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

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

^c : 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, 24th EDITION, 2023.

ND : NOT DETECTED.

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



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NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLE SOURCE : น้ำผิวดินตามเส้นทางถนน เขตอุตสาหกรรมวังน้ำเย็นต.วังน้ำเย็น
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 14:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-14, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U082767
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT429-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT EFFLUENT T25AT429-0002	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 3102 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP-HEM-004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.100
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

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

^c : 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, 24th EDITION, 2023.

ND : NOT DETECTED.

< LOQ : < LIMIT OF QUANTITATION (COPPER \geq 0.005 AND < 0.050 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



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* THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

1/1

- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-ae@hotmail.com
SAMPLE SOURCE : แหล่งข้อมูลต้นน้ำจากแม่น้ำท่าจีน
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 15:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAMUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHITAPAPHA

RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-17, 2025
ISSUE DATE : OCTOBER 20, 2025
REPORT NO. : 2025-U094829
WORK NO. : 2023-010508
ANALYSIS NO. : T25AW412-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT EFFLUENT T25AW412-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^b	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 312 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

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

^b : 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, 24th EDITION, 2023.

ND : NOT DETECTED

< LOQ : < LIMIT OF QUANTITATION (NICKEL ≥ 0.005 AND < 0.100 mg/L)

Benawan V.
(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-ae@hotmail.com
SAMPLE SOURCE : แหล่งข้อมูลต้นน้ำจากแม่น้ำท่าจีน
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 14:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAMUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHITAPAPHA

RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-17, 2025
ISSUE DATE : OCTOBER 20, 2025
REPORT NO. : 2025-U094830
WORK NO. : 2023-010508
ANALYSIS NO. : T25AW412-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT EFFLUENT T25AW412-0002	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.020
HEXAVALENT CHROMIUM ^b	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
LEAD ^a	mg/L Pb	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.020	0.200
MERCURY ^a	mg/L Hg	COLD VAPOUR AAS METHOD (SM PART 312 B)	ND	0.0005	0.0020
NICKEL ^a	mg/L Ni	UAE TP-HEM.004 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.100
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW		

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

^b : 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, 24th EDITION, 2023.

ND : NOT DETECTED

Benawan V.
(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR

ภาคผนวก ข-7

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพน้ำจากบ่อ Monitoring Well



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบใน ช่วง 1 ถึง 1 T25AT430-0001	DETECTION LIMIT	LIMIT OF QUANTIFICATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B	6.4 (32.6°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 0660 B	4,140 (32.6°C)	0.1	-
APPEARANCE COLOUR ^c	-	OBSERVATION METHOD	TURBID BROWN, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	> 800	-	0.5
DEPTH ^c	m	WATER LEVEL METER	136	-	-
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	178	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE TP HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXA VALENT CHROMIUM ^a	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^c	mg/L Hg	IN-HOUSE METHOD: UAE TP HEM.002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005

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2/2

2025-U083126

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- End of Analysis Report -

Pinacol S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLE TYPE : MONITORING WELL
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : BAILER*
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-13, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083129
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT430-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		LIMIT OF QUANTITATION (LOQ)
			ทดสอบการปนเปื้อน ระดับ 1 และ 2	T25AT430-0002	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B	6.4 (319°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM PART 2510 B AND 1060 B	2.610 (319°C)	0.1	-
APPEARANCE COLOUR ^c	-	OBSERVATION METHOD	TURBID BROWN, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM PART 2130 B)	110	-	0.5
DEPTH ^c	m	WATER LEVEL METER	100	-	-
CHLORIDE ^a	mg/L Cl	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	551	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM.003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM.003 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM.003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^d	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM.002 BASED ON SM PART 3112 B	ND	0.0001	0.0005

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLE SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 15:48 HOUR
SAMPLING METHOD : BAILER*
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-15, 2025
ISSUE DATE : OCTOBER 15, 2025
REPORT NO. : 2025-U093763
WORK NO. : 2025-009041
ANALYSIS NO. : T25AW408-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		LIMIT OF QUANTITATION (LOQ)
			ทดสอบการปนเปื้อนระดับ 1 และ 2	T25AW408-0001	
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
NICKEL ^a	mg/L Ni	UAE TP-HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.005	0.050
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION
^e : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.
* ประกาศกรมโรงงานอุตสาหกรรม เรื่อง คู่มือการเก็บตัวอย่างน้ำและน้ำใต้ดิน ลงวันที่ 20 เมษายน 2560
ND : NOT DETECTED

Bhuchok P.
(MR BHUCHONK PANICHLERTUMPT)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 13:45 HOUR
SAMPLING METHOD : BAILEY*
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-13, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083133
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT430-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ทดสอบตามวิธี มาตรฐาน 1 ใน 3 T25AT430-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B	6.7 (31.4°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	4,520 (31.4°C)	0.1	-
APPEARANCE COLOUR ^e	-	OBSERVATION METHOD	TURBID YELLOW, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	390	-	0.5
DEPTH ^f	m	WATER LEVEL METER	0.76	-	-
CHLORIDE ^g	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	283	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM-003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM-003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM-003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^d	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM-002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ทดสอบตามวิธี มาตรฐาน 1 ใน 3 T25AT430-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
NICKEL ^a	mg/L Ni	UAE TP-HEM-003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.005	0.050
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT					
YELLOW/TURBID BROWN					

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

* ประกาศกรมโรงงานอุตสาหกรรม เรื่อง ปฏิบัติการเก็บตัวอย่างดินและน้ำใต้ดิน ลงวันที่ 20 เมษายน 2560

ND : NOT DETECTED.

< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.004 AND < 0.025 mg/L).

Piyapat S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Tel.0 2763 2828 Fax.0 2763 2800 www.uaconsultant.com E-mail: ua@uaconsultant.com

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No. 0063

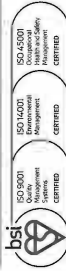
ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 13:45 HOUR
SAMPLING METHOD : BAILER*
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-12, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083.135
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT430-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบ ระบุที่ 2 ข้อ 1 T25AT430-0004	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H B	3.1 (31.2°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	16,967 (31.1°C)	0.1	-
APPEARANCE COLOUR ^c	-	OBSERVATION METHOD	TURBID YELLOW, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	21	-	0.5
DEPTH ^f	m	WATER LEVEL METER	137	-	-
CHLORIDE ^c	mg/L Cl	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	3,846	0.5	2.0
METALS					
CADMIUM ^g	mg/L Cd	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	0.021	0.003	0.010
HEXAVALENT CHROMIUM ^h	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr B)	ND	0.006	-
COPPER ^g	mg/L Cu	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	0.724	0.004	0.025
LEAD ^g	mg/L Pb	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.007	0.100
MERCURY ^g	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM 002 BASED ON SM: PART 3112 B	< LOQ	0.0001	0.0005

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Tel.0 2763 2828 Fax.0 2763 2800 www.uaconsultant.com E-mail: ua@uaconsultant.com

NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : OCTOBER 27, 2025
SAMPLING TIME : 11:46 HOUR
SAMPLING METHOD : BAILER*
SAMPLING BY : MR PRACHCHAPOL SOPHA
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : OCTOBER 27, 2025
ANALYTICAL DATE : OCTOBER 27-30, 2025
ISSUE DATE : NOVEMBER 5, 2025
REPORT NO. : 2025-U100258
WORK NO. : 2025-009613
ANALYSIS NO. : T25AY160-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบ ระบุที่ 2 ข้อ 1 T25AY160-0001	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM ^g	mg/L Cd	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

^c : 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, 24th EDITION, 2023.

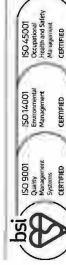
* ประกาศนียบัตรมาตรฐานห้องปฏิบัติการเกี่ยวกับความปลอดภัยและสิ่งแวดล้อม ลงวันที่ 20 เมษายน 2560

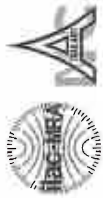
ND : NOT DETECTED.

Phuchit P.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

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United Analyst and Engineering Consultant Co., Ltd.

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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaiconsultant.com E-mail: uae@uaiconsultant.com

NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2, KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 14:08 HOUR
SAMPLING METHOD : BAILER*
SAMPLING BY : MR PHATSANUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-15, 2025
ISSUE DATE : OCTOBER 15, 2025
REPORT NO. : 2025-U093764
WORK NO. : 2025-009041
ANALYSIS NO. : T25AW408-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTIFICATION (LOQ)
METALS					
NICKEL ^a	mg/L Ni	UAE TP-HEM 003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.005	0.050
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

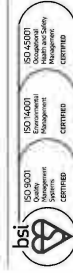
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

* ปริมาณโลหะหนัก ตรวจเจอ อยู่ภายในค่ามาตรฐานและปลอดภัย ส่วนที่ 20 เมษายน 2560

ND : NOT DETECTED.

Bhuchonk
(MR BHUCHONK PANICHLERTUMPTI)
LABORATORY SUPERVISOR



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- End of Analysis Report -



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrakhanong, Bangkok 10260
Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaiconsultant.com E-mail: uae@uaiconsultant.com

NSC-TISI-TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2, KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : BAILER*
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-13, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083136
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT430-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTIFICATION (LOQ)
pH ^a		ELECTROMETRIC METHOD (AT SITE) SM PART 4500-H ⁺ B	5.5 (31.3°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM PART 2510 B AND 1060 B	7.935 (31.4°C)	0.1	-
APPEARANCE COLOUR ^c		OBSERVATION METHOD	TURBID YELLOW, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM PART 2130 B)	550	-	0.5
DEPTH ^c	m	WATER LEVEL METER	19.91	-	-
CHLORIDE ^c	mg/L Cl	ARGENTOMETRIC METHOD (SM 4500-Cl ⁻ B)	1419	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM 003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM 002 BASED ON SM PART 3112 B	ND	0.0001	0.0005



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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaconsultant.com E-mail: ua@uaconsultant.com

NSC-TISI-TIS 17025
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบ ตาม 2 ส่วน 2 T25AT430-0005	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
NICKEL ^a	mg/L Ni	UAE TP-HEM 003 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.050
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

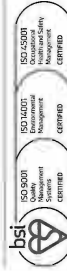
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2003.

* โปรดใช้ตามเงื่อนไขการตรวจพบ และ ผลการตรวจพบตาม 2 ส่วน 2 และ 2560

ND : NOT DETECTED.

< LOQ : < LIMIT OF QUANTITATION (NICKEL > 0.005 AND < 0.050 mg/L).

Piyapol S.
(WRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



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2025-U083136

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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaconsultant.com E-mail: ua@uaconsultant.com

NSC-TISI-TIS 17025
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.

ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160

CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com

SAMPLING SOURCE : MONITORING WELL

SAMPLE TYPE : GROUNDWATER

SAMPLING DATE : SEPTEMBER 3, 2025

SAMPLING TIME : 13:15 HOUR

SAMPLING METHOD : BAILEY*

SAMPLING BY : MR KANAPON KIRANON

ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : SEPTEMBER 3, 2025

ANALYTICAL DATE : SEPTEMBER 13, 2025

ISSUE DATE : SEPTEMBER 15, 2025

REPORT NO. : 2025-U083138

WORK NO. : 2023-010508

ANALYSIS NO. : T25AT430-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบ ตาม 2 ส่วน 3 T25AT430-0006	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B	4.9 (31.3°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	10,045 (31.5°C)	0.1	-
APPEARANCE COLOUR ^c	-	OBSERVATION METHOD	TURBID YELLOW, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2190 B)	26	-	0.5
DEPTH ^c	m	WATER LEVEL METER	134	-	-
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	665	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.007	0.100
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM 002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005



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NSC-TISI-TIS 17025
TESTING
No. 0063
TESTING 0207

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบ ตามข้อ 2 ข้อที่ 3 T25AT430-0006	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
NICKEL ^a	mg/L Ni	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	0.659	0.005	0.050
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

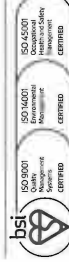
* ปริมาณน้ำในตัวอย่างที่ตรวจพบ ซึ่งสูงกว่าค่ามาตรฐานที่กำหนดไว้คือ 20 เท่าของ 2560

ND : NOT DETECTED

< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.004 AND < 0.025 mg/L, LEAD ≥ 0.007 AND < 0.100 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTANUTWONG)
LABORATORY SUPERVISOR



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2025-U083138

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NSC-TISI-TIS 17025
TESTING
No. 0063
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : BAILEY*
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS CHOMTHANAN APHITAPAPHA
RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-13, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083136
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT430-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจพบ ตามข้อ 2 ข้อที่ 2 T25AT430-0005	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H B	5.5 (31.3°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	7935 (31.4°C)	0.1	-
APPEARANCE COLOUR ^c	-	TURBID YELLOW, BROWN SEDIMENT		-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	950	-	0.5
DEPTH ^c	m	WATER LEVEL METER	19.91	-	-
CHLORIDE ^c	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	14.19	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.004	0.025
LEAD ^a	mg/L Pb	UAE TP-HEM 003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MERCURY ^a	mg/L Hg	IN-HOUSE METHOD: UAE TP-HEM 002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจหาปริมาณ สารที่ 2 ยี่ห้อ 2 T25AT430-0005	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
NICKEL ^a	mg/L Ni	UAE-TP-HEM-003 BASED ON SM PART 3030 E AND PART 3111 B	< LOQ	0.005	0.050
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (OSS)
^c : 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, 24th EDITION, 2023.
ND : NOT DETECTED
< LOQ : < LIMIT OF QUANTITATION (NICKEL ≥ 0.005 AND < 0.050 mg/L).

Piyapol S.
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANCPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kitsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 13:15 HOUR
SAMPLING METHOD : BAILEY*
SAMPLING BY : MR. KANAPON KIRANON
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 13, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083136
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT430-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจหาปริมาณ สารที่ 3 ยี่ห้อ 3 T25AT430-0006	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B	4.9 (31.3°C)	-	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD (AT SITE) SM: PART 2510 B AND 1060 B	10.045 (31.5°C)	0.1	-
APPEARANCE COLOUR ^c	-	OBSERVATION METHOD	TURBID YELLOW, BROWN SEDIMENT	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	26	-	0.5
DEPTH ^f	m	WATER LEVEL METER	134	-	-
CHLORIDE ^a	mg/L Cl	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	665	0.5	2.0
METALS					
CADMIUM ^a	mg/L Cd	UAE-TP-HEM-003 BASED ON SM PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3900-Cr ⁶⁺ B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE-TP-HEM-003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.004	0.025
LEAD ^a	mg/L Pb	UAE-TP-HEM-003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.007	0.100
MERCURY ^a	mg/L Hg	IN-HOUSE METHOD: UAE-TP-HEM-002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : MONITORING WELL
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 14:13 HOUR
SAMPLING METHOD ° : BAILER*
SAMPLING BY ° : MR PHAISAWUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA
RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-15, 2025
ISSUE DATE : OCTOBER 15, 2025
REPORT NO. : 2025-U093765
WORK NO. : 2025-U09041
ANALYSIS NO. : T25AW408-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการตรวจหาปริมาณ ตะกั่ว 2 และ 3 T25AW408-0003	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
METALS					
CADMIUM [®]	mg/L Cd	UAE TP-HEM-003 BASED ON SM PART 3030 E AND PART 3111B	ND	0.003	0.010
NICKEL [®]	mg/L Ni	UAE TP-HEM-003 BASED ON SM PART 3030 E AND PART 3111B	ND	0.005	0.050
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
® : 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, 24th EDITION, 2023.
ND : NOT DETECTED

Bhuchok J.
(MR BHUCHONK PANICHLERTUMPTI)
LABORATORY SUPERVISOR

ภาคผนวก ข-8

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพตะกอนดินในคูระบายน้ำรอบโครงการ



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : คูระบายน้ำบริเวณใกล้เคียงกับบ่อฝังกลบเก่า
SAMPLE TYPE : SEDIMENT
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 14:20 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA

RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-21, 2025
ISSUE DATE : OCTOBER 22, 2025
REPORT NO. : 2025-U096233
WORK NO. : 2023-010508
ANALYSIS NO. : T25AW469-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT คูระบายน้ำบริเวณใกล้เคียง กับบ่อฝังกลบเก่า T25AW469-0001	DETECTION LIMIT
SOLUBLE THRESHOLD LIMIT CONCENTRATION(STLC)				
CADMIUM	mg/L Cd	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	ND	0.006
CHROMIUM	mg/L Cr	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	0.240	0.010
HEXAVALENT CHROMIUM	mg/L Cr ⁶⁺	WASTE EXTRACTION TEST AND COLOURIMETRIC METHOD	ND	0.006
COPPER	mg/L Cu	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	0.072	0.006
LEAD	mg/L Pb	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	0.086	0.031
MERCURY	mg/L Hg	WASTE EXTRACTION TEST AND COLD VAPOUR AAS METHOD	ND	0.0005
NICKEL	mg/L Ni	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	0.599	0.020
ZINC	mg/L Zn	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	3.40	0.007
SAMPLE CONDITION			BROWN SEDIMENT	

ND : NOT DETECTED.



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kraitsada-aa@hotmail.com
SAMPLING SOURCE : คูระบายน้ำบริเวณใกล้เคียงกับสถานีสูบน้ำออกนอกพื้นที่โครงการ
SAMPLE TYPE : SEDIMENT
SAMPLING DATE : OCTOBER 3, 2025
SAMPLING TIME : 15:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA
RECEIVED DATE : OCTOBER 3, 2025
ANALYTICAL DATE : OCTOBER 3-21, 2025
ISSUE DATE : OCTOBER 22, 2025
REPORT NO. : 2025-U096235
WORK NO. : 2023-010508
ANALYSIS NO. : T25AW469-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT คูระบายน้ำบริเวณใกล้เคียง กับสถานีสูบน้ำออกนอก พื้นที่โครงการ T25AW469-0002	DETECTION LIMIT
SOLUBLE THRESHOLD LIMIT CONCENTRATION(STLC)				
CADMIUM	mg/L Cd	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	ND	0.006
CHROMIUM	mg/L Cr	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	0.058	0.010
HEXAVALENT CHROMIUM	mg/L Cr ⁶⁺	WASTE EXTRACTION TEST AND COLOURIMETRIC METHOD	ND	0.006
COPPER	mg/L Cu	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	ND	0.006
LEAD	mg/L Pb	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	ND	0.031
MERCURY	mg/L Hg	WASTE EXTRACTION TEST AND COLD VAPOUR AAS METHOD	ND	0.0005
NICKEL	mg/L Ni	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	0.143	0.020
ZINC	mg/L Zn	WASTE EXTRACTION TEST, NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD	1.42	0.007
SAMPLE CONDITION			BLACK SEDIMENT	

ND : NOT DETECTED.



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR



ภาคผนวก ข-9

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพน้ำในคูหนองน้ำ



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : สถานีสูบน้ำ
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 11:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-9, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083149
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT427-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			จุดสูบน้ำที่ 1 T25AT427-0002	
pH ^a		ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.2 (29.5°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	4.5	2.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

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

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

Wilailak Sriskuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : สถานีสูบน้ำ
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-9, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083151
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT427-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			จุดสูบน้ำที่ 2 T25AT427-0004	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.5 (29.7°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	5.1	2.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

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

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

Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : สถานีสูบน้ำ
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 3, 2025
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS AKSARIN BUNKONG
RECEIVED DATE : SEPTEMBER 3, 2025
ANALYTICAL DATE : SEPTEMBER 3-9, 2025
ISSUE DATE : SEPTEMBER 15, 2025
REPORT NO. : 2025-U083154
WORK NO. : 2023-010508
ANALYSIS NO. : T25AT427-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดสุ่มน้ำที่ 3 T25AT427-0006	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.8 (29.6°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	3.2	2.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

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

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

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : สถานีสูบน้ำ
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 4, 2025
SAMPLING TIME : 13:25 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS AKSARIN BUNKONG
RECEIVED DATE : DECEMBER 4, 2025
ANALYTICAL DATE : DECEMBER 4-12, 2025
ISSUE DATE : DECEMBER 19, 2025
REPORT NO. : 2025-U114822
WORK NO. : 2023-010508
ANALYSIS NO. : T25BB521-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			จุดสูบน้ำที่ 1 T25BB521-0002	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.8 (28.2°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.0	2.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	

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

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

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : สถานีสูบน้ำ
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 4, 2025
SAMPLING TIME : 13:05 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS AKSARIN BUNKONG
RECEIVED DATE : DECEMBER 4, 2025
ANALYTICAL DATE : DECEMBER 4-12, 2025
ISSUE DATE : DECEMBER 19, 2025
REPORT NO. : 2025-U114824
WORK NO. : 2023-010508
ANALYSIS NO. : T25BB521-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			จุดสูบน้ำที่ 2 T25BB521-0004	
pH ^a		ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.9 (27.8°C)	
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.8	2.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	

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

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

Wilailak Sriskuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

ISO 45001
Occupational
Health and Safety
Management
CERTIFIED

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• THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

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- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME	: BANGPA-IN LAND DEVELOPMENT CO., LTD.	RECEIVED DATE	: DECEMBER 4, 2025
ADDRESS	: 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160	ANALYTICAL DATE	: DECEMBER 4-12, 2025
CONTACT INFORMATION	: TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com	ISSUE DATE	: DECEMBER 19, 2025
SAMPLING SOURCE	: สถานีสูบน้ำ	REPORT NO.	: 2025-U114827
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2023-010508
SAMPLING DATE	: DECEMBER 4, 2025	ANALYSIS NO.	: T25BB521-0006
SAMPLING TIME	: 13:40 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR PHATSAWUT THOSAKOON		
ANALYZED BY	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			จุดสูบน้ำที่ 3 T25BB521-0006	
pH ^a		ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.2 (28.7°C)	
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	6.9	2.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

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

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

Wilailak Sriskuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ภาคผนวก ข-10

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพน้ำบาดาล



ANALYSIS REPORT

CUSTOMER NAME : BANGPA-IN LAND DEVELOPMENT CO., LTD.
ADDRESS : 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160
CONTACT INFORMATION : TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com
SAMPLING SOURCE : บ่อบาดาล NO. 8 ในนิคมฯ
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : JULY 8, 2025
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS NADNAPA KAMOLBOON

RECEIVED DATE : JULY 8, 2025
ANALYTICAL DATE : JULY 8-17, 2025
ISSUE DATE : JULY 21, 2025
REPORT NO. : 2025-U066049
WORK NO. : 2023-010508
ANALYSIS NO. : T25AP139-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			GROUNDWATER T25AP139-0001		
pH ^c		ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	8.5 (30.7°C)		
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	0.8		0.5
COLOUR ^c	Pt-Co	VISUAL COMPARISON METHOD (SM: PART 2120 B)	< 5	-	5
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	224		25
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 2340 C)	38.6	4.0	
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	58.1	2.0	
NITRATE ^c	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	ND	0.09	
SULPHATE ^a	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: PART 4500 -SO ₄ ²⁻ E)	18.8	0.3	-
METALS					
CADMIUM ^a	mg/L Cd	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr B)	ND	0.006	
COPPER ^a	mg/L Cu	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.004	0.025
IRON ^a	mg/L Fe	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.005	0.050
LEAD ^a	mg/L Pb	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MANGANESE ^a	mg/L Mn	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	< LOQ	0.002	0.025
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.005	0.050

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			GROUNDWATER T25AP139-0001		
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	1.8	
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

ND : NOT DETECTED.

< LOQ : < LIMIT OF QUANTITATION (IRON \geq 0.005 AND < 0.050 mg/L, MANGANESE \geq 0.002 AND < 0.025 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: BANGPA-IN LAND DEVELOPMENT CO., LTD.	RECEIVED DATE	: JULY 8, 2025
ADDRESS	: 139 MOO 2 KHLONG CHIK BANG PA-IN PHRA NAKHON SI AYUTTHAYA 13160	ANALYTICAL DATE	: JULY 8-17, 2025
CONTACT INFORMATION	: TEL : 08 6511 8130 e-mail : kritsada-aa@hotmail.com	ISSUE DATE	: JULY 21, 2025
SAMPLING SOURCE	: บ่อมาดาลภายนอกนิคมฯ (บ่อมาดาล ของวัดคลองพุทธา)	REPORT NO.	: 2025-U066050
SAMPLE TYPE	: GROUNDWATER	WORK NO.	: 2023-010508
SAMPLING DATE	: JULY 8, 2025	ANALYSIS NO.	: T25AP139-0002
SAMPLING TIME	: 13:55 HOUR		
SAMPLING METHOD °	: GRAB, GRAB AND STERILE TECHNIQUE		
SAMPLING BY °	: MR PHATSAWUT THOSAKOON		
ANALYZED BY	: MISS NADNAPA KAMOLBOON		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			GROUNDWATER T25AP139-0002		
pH ^c		ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.7 (31.7°C)	-	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	1.4	-	0.5
COLOUR ^c	Pt-Co	VISUAL COMPARISON METHOD (SM: PART 2120 B)	< 5	-	5
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	706	-	25
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 2340 C)	160	4.0	-
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	206	2.0	-
NITRATE ^c	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	0.71	0.09	-
SULPHATE ^a	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: PART 4500-SO ₄ ²⁻ E)	67.3	0.3	-
METALS					
CADMIUM ^a	mg/L Cd	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.003	0.010
HEXAVALENT CHROMIUM ^c	mg/L Cr ⁶⁺	COLOURIMETRIC METHOD (SM: PART 3500-Cr B)	ND	0.006	-
COPPER ^a	mg/L Cu	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.004	0.025
IRON ^a	mg/L Fe	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	0.126	0.005	0.050
LEAD ^a	mg/L Pb	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.007	0.100
MANGANESE ^a	mg/L Mn	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	0.039	0.002	0.025
MERCURY ^b	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 BASED ON SM: PART 3112 B	ND	0.0001	0.0005
NICKEL ^a	mg/L Ni	UAE.TP.HEM.003 BASED ON SM: PART 3030 E AND PART 3111 B	ND	0.005	0.050

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			GROUNDWATER T25AP139-0002		
MICROBIOLOGY					
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C)	7.8	1.8	•
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

ND : NOT DETECTED.

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR