

ภาคผนวก ค

ใบรายงานผลการวิเคราะห์

- ค1 ใบรายงานผลการติดตามตรวจสอบคุณภาพอากาศจากปล่องระบาย
- ค2 ใบรายงานผลการติดตามตรวจสอบคุณภาพอากาศบริเวณถังจัดเก็บผลิตภัณฑ์
- ค3 ใบรายงานผลการติดตามตรวจสอบคุณภาพอากาศในบรรยากาศโดยทั่วไป
- ค4 ใบรายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
- ค5 ใบรายงานผลการติดตามตรวจสอบระดับเสียงในบรรยากาศโดยทั่วไป
- ค6 ใบรายงานผลการติดตามตรวจสอบคุณภาพอากาศในสถานประกอบการ
- ค7 ใบรายงานผลการติดตามตรวจสอบระดับเสียงในสถานประกอบการ
- ค8 ใบรายงานผลการติดตามตรวจสอบความร้อนในสถานประกอบการ

ภาคผนวก ค1
ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศจากปล่องระบาย

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: APRIL 29, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: APRIL 29-MAY 6, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 9, 2025
SAMPLING SOURCE	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	REPORT NO.	: 2025-U040589
SAMPLE TYPE	: STACK	WORK NO.	: 2024-011490
SAMPLING DATE	: APRIL 28, 2025	ANALYSIS NO.	: T25AJ095-0001
SAMPLING TIME	: 10:00-10:36 HOUR		
SAMPLING BY	: MR WATCHARIN SAN-NGAM ว-145-จ-0099		
ANALYZED BY	: MISS SUWAN KONGTHONG ว-145-ค-0025		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			ปล่อยระบายของหม้อผลิตไอน้ำ STACK NO.2 (เตาจีน NO.2) T25AJ095-0001	
			ACTUAL OXYGEN	7% OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	26.1	44.7
SAMPLE CONDITION			COMPLETE	

REMARK

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

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
ว-145-ค-0011



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING SOURCE : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
MEASURING TYPE : STACK
MEASURING DATE : APRIL 28, 2025
MEASURING TIME : 10:10-10:20 HOUR
MEASURING METHOD : U.S. EPA METHOD 6C, 7E
MEASURED BY : MR WATCHARIN SAN-NGAM ว-145-จ-0099

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U040590
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ095-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			ปล่องระบายของหม้อผลิตไอน้ำ STACK NO.2 (เตาจีน NO.2) T25AJ095-0001	
			ACTUAL OXYGEN	7% OXYGEN
SULPHUR DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 6C, JULY 2021	< 1	< 1
NITROGEN DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 7E, JULY 2021	86	148
SAMPLE CONDITION			COMPLETE	

REMARK

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

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
ว-145-ค-0021



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 29, 2025
SAMPLING TIME : 10:00-10:36 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI จ-145-จ-0054
ANALYZED BY : MISS SUWAN KONGTHONG จ-145-ค-0025

RECEIVED DATE : APRIL 30, 2025
ANALYTICAL DATE : APRIL 30-MAY 15, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U043442
WORK NO. : 2024-011661
ANALYSIS NO. : T25AJ319-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			BAG FILTER โรงมันเส้น NO.1 T25AJ319-0001
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	9.53
SAMPLE CONDITION			COMPLETE

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

Budsakorn ✓
.....
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
จ-145-ค-0011



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED		
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190		
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com		
SAMPLING SOURCE	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED		
SAMPLE TYPE	: STACK	RECEIVED DATE	: APRIL 30, 2025
SAMPLING DATE	: APRIL 29, 2025	ANALYTICAL DATE	: APRIL 30-MAY 15, 2025
SAMPLING TIME	: 11:00-11:36 HOUR	ISSUE DATE	: MAY 20, 2025
SAMPLING BY	: MR AKAWUT SANOEJAI ๖-145-๖-0054	REPORT NO.	: 2025-U043443
ANALYZED BY	: MISS SUWAN KONGTHONG ๖-145-๓-0025	WORK NO.	: 2024-011661
		ANALYSIS NO.	: T25AJ319-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			BAG FILTER โรงงานเส้น NO.2 T25AJ319-0002
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.77
SAMPLE CONDITION			COMPLETE

REMARK

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

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๖-145-๓-0011



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED

ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190

CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com

SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED

SAMPLE TYPE : STACK

SAMPLING DATE : APRIL 30, 2025

SAMPLING TIME : 09:50-10:30 HOUR

SAMPLING BY : MR AKAWUT SANOEJAI

ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : APRIL 30, 2025

ANALYTICAL DATE : APRIL 30-MAY 15, 2025

ISSUE DATE : MAY 20, 2025

REPORT NO. : 2025-U043444

WORK NO. : 2024-011661

ANALYSIS NO. : T25AJ319-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			SCRUBBER ห้างหมัก NO.1
			T25AJ319-0003 ACTUAL OXYGEN
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	4,260
ISOPROPYL ALCOHOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	0.793
n-BUTANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1405)	< 0.010
METHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 2000)	1.45
SAMPLE CONDITION			COMPLETE

REMARK

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

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 30, 2025
SAMPLING TIME : 11:00-11:40 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : APRIL 30, 2025
ANALYTICAL DATE : APRIL 30-MAY 15, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U043445
WORK NO. : 2024-011661
ANALYSIS NO. : T25AJ319-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			SCRUBBER ถังหมัก NO.2
			T25AJ319-0004 ACTUAL OXYGEN
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	5,784
ISOPROPYL ALCOHOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	1.14
n-BUTANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1405)	< 0.010
METHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 2000)	< 0.010
SAMPLE CONDITION			COMPLETE

REMARK

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

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 30, 2025
SAMPLING TIME : 09:50-10:05 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : APRIL 30, 2025
ANALYTICAL DATE : APRIL 30-MAY 15, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U043447
WORK NO. : 2024-011661
ANALYSIS NO. : T25AJ319-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			หกกลิ่นชั้น 6
			T25AJ319-0005
FORMALDEHYDE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 2541)	ACTUAL OXYGEN < 0.010
SAMPLE CONDITION			COMPLETE

REMARK

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

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ภาคผนวก ค2

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศบริเวณถังจัดเก็บผลิตภัณฑ์

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : บริเวณถังจัดเก็บผลิตภัณฑ์ (ลานถัง)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : MARCH 24, 2025
SAMPLING TIME : 09:09-09:29 HOUR
SAMPLING BY : MISS PIYANATCHAYA SAMPAOPHONG
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 31, 2025
ANALYTICAL DATE : MARCH 31 - APRIL 8, 2025
ISSUE DATE : APRIL 21, 2025
REPORT NO. : 2025-U033349
WORK NO. : 2024-011490
ANALYSIS NO. : T25AG897-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณถังจัดเก็บผลิตภัณฑ์ (ลานถัง) T25AG897-0001
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	16.0
SAMPLE CONDITION			COMPLETE

REMARK

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ภาคผนวก ค3

ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศในบรรยากาศโดยทั่วไป

ANALYSIS REPORT


CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: MAY 7, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: MAY 7-14, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 19, 2025
SAMPLING SOURCE	: โรงเรียนหนองใหญ่ศิริวรารัตวิทยา	REPORT NO.	: 2025-U042987
SAMPLE TYPE	: AMBIENT	WORK NO.	: 2024-011490
SAMPLING DATE	: *, **, ***	ANALYSIS NO.	: T25AJ663-0001 - T25AJ663-0003
SAMPLING TIME	: *, **, ***		
SAMPLING BY	: MR SAKSITHON NUMNIM		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			โรงเรียนหนองใหญ่ศิริวรารัตวิทยา		
			* T25AJ663-0001	** T25AJ663-0002	*** T25AJ663-0003
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.	0.042	0.032	0.024
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.	0.012	0.010	0.014
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 APRIL 23, 2025 TO 09:00 HOUR ON APRIL 24, 2025.
** : SAMPLING FROM 09:00 HOUR ON APRIL 24, 2025 TO 09:00 HOUR ON APRIL 25, 2025.
*** : SAMPLING FROM 09:00 HOUR ON APRIL 25, 2025 TO 09:00 HOUR ON APRIL 26, 2025.


.....
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : โรงเรียนหนองใหญ่ศิรราชวิทยาลัย
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***, ****
SAMPLING TIME : *, **, ***, ****
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : MAY 7, 2025
ANALYTICAL DATE : MAY 7-14, 2025
ISSUE DATE : MAY 19, 2025
REPORT NO. : 2025-U042991
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0004 - T25AJ663-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			โรงเรียนหนองใหญ่ศิรราชวิทยาลัย			
			*	**	***	****
			T25AJ663-0004	T25AJ663-0005	T25AJ663-0006	T25AJ663-0007
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	0.025	0.035	0.038
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.	0.011	0.013	0.015	0.026
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 APRIL 26, 2025 TO 09:00 HOUR ON APRIL 27, 2025.
** : SAMPLING FROM 09:00 HOUR ON APRIL 27, 2025 TO 09:00 HOUR ON APRIL 28, 2025.
*** : SAMPLING FROM 09:00 HOUR ON APRIL 28, 2025 TO 09:00 HOUR ON APRIL 29, 2025.
**** : SAMPLING FROM 09:00 HOUR ON APRIL 29, 2025 TO 09:00 HOUR ON APRIL 30, 2025.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : วัดหนองใหญ่ศิริธรรม
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * , ** , ***
SAMPLING TIME : * , ** , ***
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : MAY 7, 2025
ANALYTICAL DATE : MAY 7-14, 2025
ISSUE DATE : MAY 19, 2025
REPORT NO. : 2025-U042994
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0008 - T25AJ663-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			วัดหนองใหญ่ศิริธรรม		
			* T25AJ663-0008	** T25AJ663-0009	*** T25AJ663-0010
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.	0.051	0.039	0.026
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.	0.035	0.020	0.012
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 09:30 HOUR ON APRIL 23, 2025 TO 09:30 HOUR ON APRIL 24, 2025.
** : SAMPLING FROM 09:30 HOUR ON APRIL 24, 2025 TO 09:30 HOUR ON APRIL 25, 2025.
*** : SAMPLING FROM 09:30 HOUR ON APRIL 25, 2025 TO 09:30 HOUR ON APRIL 26, 2025.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : วัดหนองใหญ่ศิริธรรม
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * , ** , *** , ****
SAMPLING TIME : * , ** , *** , ****
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MAY 7, 2025
ANALYTICAL DATE : MAY 7-14, 2025
ISSUE DATE : MAY 19, 2025
REPORT NO. : 2025-U042998
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0011 - T25AJ663-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			วัดหนองใหญ่ศิริธรรม			
			*	**	***	****
			T25AJ663-0011	T25AJ663-0012	T25AJ663-0013	T25AJ663-0014
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.	0.042	0.038	0.063	0.042
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.	0.029	0.014	0.039	0.024
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 09:30 HOUR ON APRIL 26, 2025 TO 09:30 HOUR ON APRIL 27, 2025.
** : SAMPLING FROM 09:30 HOUR ON APRIL 27, 2025 TO 09:30 HOUR ON APRIL 28, 2025.
*** : SAMPLING FROM 09:30 HOUR ON APRIL 28, 2025 TO 09:30 HOUR ON APRIL 29, 2025.
**** : SAMPLING FROM 09:30 HOUR ON APRIL 29, 2025 TO 09:30 HOUR ON APRIL 30, 2025.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : พื้นที่โครงการโรงงานผลิตเอทานอล
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MAY 7, 2025
ANALYTICAL DATE : MAY 7-14, 2025
ISSUE DATE : MAY 19, 2025
REPORT NO. : 2025-U043000
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0015 - T25AJ663-0017

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			พื้นที่โครงการโรงงานผลิตเอทานอล		
			* T25AJ663-0015	** T25AJ663-0016	*** T25AJ663-0017
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.	0.041	0.062	0.048
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	0.032	0.029
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 11:00 HOUR ON APRIL 23, 2025 TO 11:00 HOUR ON APRIL 24, 2025.
** : SAMPLING FROM 11:00 HOUR ON APRIL 24, 2025 TO 11:00 HOUR ON APRIL 25, 2025.
*** : SAMPLING FROM 11:00 HOUR ON APRIL 25, 2025 TO 11:00 HOUR ON APRIL 26, 2025.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : พื้นที่โครงการโรงงานผลิตเอทานอล
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * , ** , *** , ****
SAMPLING TIME : * , ** , *** , ****
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MAY 7, 2025
ANALYTICAL DATE : MAY 7-14, 2025
ISSUE DATE : MAY 19, 2025
REPORT NO. : 2025-U043004
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0018 - T25AJ663-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			พื้นที่โครงการโรงงานผลิตเอทานอล			
			*	**	***	****
			T25AJ663-0018	T25AJ663-0019	T25AJ663-0020	T25AJ663-0021
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.	0.072	0.087	0.098	0.112
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	0.024	0.028	0.020
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 11:00 HOUR ON APRIL 26, 2025 TO 11:00 HOUR ON APRIL 27, 2025.
** : SAMPLING FROM 11:00 HOUR ON APRIL 27, 2025 TO 11:00 HOUR ON APRIL 28, 2025.
*** : SAMPLING FROM 11:00 HOUR ON APRIL 28, 2025 TO 11:00 HOUR ON APRIL 29, 2025.
**** : SAMPLING FROM 11:00 HOUR ON APRIL 29, 2025 TO 11:00 HOUR ON APRIL 30, 2025.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : โรงเรียนหนองใหญ่ศิริราชวิทยาคม
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 23-30, 2025
MEASURING DATE : APRIL 23-30, 2025 **ANALYTICAL DATE** : APRIL 23-30, 2025
MEASURING TIME : * **ISSUE DATE** : MAY 14, 2025
MEASURING METHOD : CHEMILUMINESCENCE **REPORT NO.** : 2025-U041277
MEASURED BY : MR SAKSITHON NUMNIM **WORK NO.** : 2024-011490
ANALYSIS NO. : T25AJ663-0001 - T25AJ663-0007

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	APRIL 23-24, 2025 T25AJ663-0001	APRIL 24-25, 2025 T25AJ663-0002	APRIL 25-26, 2025 T25AJ663-0003
07:00-08:00 HOUR	0.0078	0.0085	0.0077
08:00-09:00 HOUR	0.0096	0.0107	0.0098
09:00-10:00 HOUR	0.0100	0.0114	0.0120
10:00-11:00 HOUR	0.0105	0.0121	0.0118
11:00-12:00 HOUR	0.0106	0.0131	0.0124
12:00-13:00 HOUR	0.0102	0.0137	0.0117
13:00-14:00 HOUR	0.0083	0.0132	0.0127
14:00-15:00 HOUR	0.0070	0.0112	0.0141
15:00-16:00 HOUR	0.0060	0.0110	0.0152
16:00-17:00 HOUR	0.0049	0.0095	0.0148
17:00-18:00 HOUR	0.0045	0.0101	0.0128
18:00-19:00 HOUR	0.0050	0.0095	0.0123
19:00-20:00 HOUR	0.0058	0.0095	0.0116
20:00-21:00 HOUR	0.0094	0.0107	0.0119
21:00-22:00 HOUR	0.0111	0.0124	0.0124
22:00-23:00 HOUR	0.0152	0.0152	0.0145
23:00-00:00 HOUR	0.0132	0.0153	0.0132
00:00-01:00 HOUR	0.0115	0.0130	0.0116
01:00-02:00 HOUR	0.0071	0.0088	0.0089
02:00-03:00 HOUR	0.0055	0.0051	0.0087
03:00-04:00 HOUR	0.0051	0.0037	0.0087
04:00-05:00 HOUR	0.0063	0.0038	0.0082
05:00-06:00 HOUR	0.0062	0.0041	0.0083
06:00-07:00 HOUR	0.0073	0.0049	0.0079



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	โรงเรียนหนองใหญ่ศิริราชวิทยายา			
	APRIL 26-27, 2025 T25AJ663-0004	APRIL 27-28, 2025 T25AJ663-0005	APRIL 28-29, 2025 T25AJ663-0006	APRIL 29-30, 2025 T25AJ663-0007
07:00-08:00 HOUR	0.0098	0.0109	0.0140	0.0083
08:00-09:00 HOUR	0.0112	0.0114	0.0166	0.0092
09:00-10:00 HOUR	0.0122	0.0121	0.0179	0.0102
10:00-11:00 HOUR	0.0121	0.0137	0.0169	0.0106
11:00-12:00 HOUR	0.0129	0.0154	0.0168	0.0107
12:00-13:00 HOUR	0.0144	0.0160	0.0153	0.0098
13:00-14:00 HOUR	0.0155	0.0147	0.0143	0.0099
14:00-15:00 HOUR	0.0142	0.0130	0.0119	0.0096
15:00-16:00 HOUR	0.0140	0.0127	0.0100	0.0103
16:00-17:00 HOUR	0.0133	0.0120	0.0072	0.0111
17:00-18:00 HOUR	0.0137	0.0116	0.0069	0.0127
18:00-19:00 HOUR	0.0130	0.0106	0.0068	0.0141
19:00-20:00 HOUR	0.0126	0.0101	0.0091	0.0152
20:00-21:00 HOUR	0.0126	0.0113	0.0104	0.0150
21:00-22:00 HOUR	0.0147	0.0131	0.0134	0.0152
22:00-23:00 HOUR	0.0160	0.0161	0.0145	0.0149
23:00-00:00 HOUR	0.0147	0.0141	0.0148	0.0160
00:00-01:00 HOUR	0.0121	0.0119	0.0120	0.0147
01:00-02:00 HOUR	0.0095	0.0083	0.0091	0.0110
02:00-03:00 HOUR	0.0096	0.0073	0.0069	0.0079
03:00-04:00 HOUR	0.0091	0.0061	0.0063	0.0065
04:00-05:00 HOUR	0.0089	0.0071	0.0065	0.0055
05:00-06:00 HOUR	0.0093	0.0086	0.0068	0.0050
06:00-07:00 HOUR	0.0097	0.0112	0.0074	0.0053

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : วัดหนองใหญ่ศิริธรรม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 23-30, 2025
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : APRIL 23-30, 2025
ANALYTICAL DATE : APRIL 23-30, 2025
ISSUE DATE : MAY 14, 2025
REPORT NO. : 2025-U041278
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0008 - T25AJ663-0014

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	วัดหนองใหญ่ศิริธรรม		
	APRIL 23-24, 2025 T25AJ663-0008	APRIL 24-25, 2025 T25AJ663-0009	APRIL 25-26, 2025 T25AJ663-0010
07:00-08:00 HOUR	0.0179	0.0134	0.0131
08:00-09:00 HOUR	0.0146	0.0114	0.0118
09:00-10:00 HOUR	0.0119	0.0096	0.0087
10:00-11:00 HOUR	0.0070	0.0081	0.0085
11:00-12:00 HOUR	0.0064	0.0085	0.0090
12:00-13:00 HOUR	0.0069	0.0078	0.0094
13:00-14:00 HOUR	0.0075	0.0080	0.0105
14:00-15:00 HOUR	0.0084	0.0071	0.0115
15:00-16:00 HOUR	0.0108	0.0079	0.0121
16:00-17:00 HOUR	0.0120	0.0093	0.0133
17:00-18:00 HOUR	0.0124	0.0100	0.0124
18:00-19:00 HOUR	0.0126	0.0108	0.0122
19:00-20:00 HOUR	0.0142	0.0102	0.0105
20:00-21:00 HOUR	0.0150	0.0101	0.0112
21:00-22:00 HOUR	0.0151	0.0101	0.0100
22:00-23:00 HOUR	0.0161	0.0106	0.0092
23:00-00:00 HOUR	0.0176	0.0093	0.0078
00:00-01:00 HOUR	0.0179	0.0074	0.0079
01:00-02:00 HOUR	0.0171	0.0060	0.0081
02:00-03:00 HOUR	0.0167	0.0058	0.0084
03:00-04:00 HOUR	0.0165	0.0058	0.0092
04:00-05:00 HOUR	0.0150	0.0074	0.0102
05:00-06:00 HOUR	0.0143	0.0099	0.0143
06:00-07:00 HOUR	0.0136	0.0141	0.0175



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	วัดหนองใหญ่ศิริธรรม			
	APRIL 26-27, 2025 T25AJ663-0011	APRIL 27-28, 2025 T25AJ663-0012	APRIL 28-29, 2025 T25AJ663-0013	APRIL 29-30, 2025 T25AJ663-0014
07:00-08:00 HOUR	0.0198	0.0123	0.0152	0.0146
08:00-09:00 HOUR	0.0164	0.0109	0.0138	0.0121
09:00-10:00 HOUR	0.0119	0.0088	0.0112	0.0073
10:00-11:00 HOUR	0.0077	0.0084	0.0098	0.0056
11:00-12:00 HOUR	0.0057	0.0086	0.0097	0.0037
12:00-13:00 HOUR	0.0047	0.0087	0.0096	0.0036
13:00-14:00 HOUR	0.0054	0.0105	0.0092	0.0034
14:00-15:00 HOUR	0.0073	0.0112	0.0092	0.0047
15:00-16:00 HOUR	0.0098	0.0122	0.0120	0.0077
16:00-17:00 HOUR	0.0109	0.0122	0.0138	0.0115
17:00-18:00 HOUR	0.0110	0.0129	0.0141	0.0143
18:00-19:00 HOUR	0.0111	0.0134	0.0141	0.0157
19:00-20:00 HOUR	0.0108	0.0135	0.0152	0.0173
20:00-21:00 HOUR	0.0105	0.0129	0.0185	0.0176
21:00-22:00 HOUR	0.0090	0.0129	0.0206	0.0163
22:00-23:00 HOUR	0.0082	0.0118	0.0226	0.0134
23:00-00:00 HOUR	0.0070	0.0115	0.0211	0.0105
00:00-01:00 HOUR	0.0065	0.0098	0.0200	0.0075
01:00-02:00 HOUR	0.0061	0.0099	0.0159	0.0052
02:00-03:00 HOUR	0.0058	0.0090	0.0141	0.0032
03:00-04:00 HOUR	0.0062	0.0089	0.0111	0.0031
04:00-05:00 HOUR	0.0079	0.0114	0.0123	0.0075
05:00-06:00 HOUR	0.0109	0.0138	0.0136	0.0101
06:00-07:00 HOUR	0.0134	0.0163	0.0167	0.0170

Sila

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : พื้นที่โครงการ
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 23-30, 2025
MEASURING DATE : APRIL 23-30, 2025 **ANALYTICAL DATE** : APRIL 23-30, 2025
MEASURING TIME : * **ISSUE DATE** : MAY 14, 2025
MEASURING METHOD : CHEMILUMINESCENCE **REPORT NO.** : 2025-U041283
MEASURED BY : MR SAKSITHON NUMNIM **WORK NO.** : 2024-011490
ANALYSIS NO. : T25AJ663-0015 - T25AJ663-0021

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	พื้นที่โครงการ		
	APRIL 23-24, 2025 T25AJ663-0015	APRIL 24-25, 2025 T25AJ663-0016	APRIL 25-26, 2025 T25AJ663-0017
07:00-08:00 HOUR	0.0182	0.0180	0.0179
08:00-09:00 HOUR	0.0219	0.0185	0.0227
09:00-10:00 HOUR	0.0250	0.0202	0.0237
10:00-11:00 HOUR	0.0226	0.0228	0.0234
11:00-12:00 HOUR	0.0227	0.0232	0.0223
12:00-13:00 HOUR	0.0235	0.0232	0.0232
13:00-14:00 HOUR	0.0243	0.0195	0.0242
14:00-15:00 HOUR	0.0239	0.0175	0.0259
15:00-16:00 HOUR	0.0239	0.0154	0.0260
16:00-17:00 HOUR	0.0241	0.0120	0.0252
17:00-18:00 HOUR	0.0238	0.0101	0.0223
18:00-19:00 HOUR	0.0213	0.0073	0.0200
19:00-20:00 HOUR	0.0184	0.0069	0.0192
20:00-21:00 HOUR	0.0176	0.0106	0.0179
21:00-22:00 HOUR	0.0191	0.0149	0.0217
22:00-23:00 HOUR	0.0197	0.0223	0.0244
23:00-00:00 HOUR	0.0200	0.0187	0.0263
00:00-01:00 HOUR	0.0162	0.0162	0.0221
01:00-02:00 HOUR	0.0119	0.0094	0.0165
02:00-03:00 HOUR	0.0083	0.0088	0.0131
03:00-04:00 HOUR	0.0061	0.0079	0.0112
04:00-05:00 HOUR	0.0078	0.0077	0.0109
05:00-06:00 HOUR	0.0108	0.0091	0.0111
06:00-07:00 HOUR	0.0148	0.0125	0.0114



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	พื้นที่โครงการ			
	APRIL 26-27, 2025 T25AJ663-0018	APRIL 27-28, 2025 T25AJ663-0019	APRIL 28-29, 2025 T25AJ663-0020	APRIL 29-30, 2025 T25AJ663-0021
07:00-08:00 HOUR	0.0126	0.0137	0.0172	0.0173
08:00-09:00 HOUR	0.0148	0.0171	0.0195	0.0203
09:00-10:00 HOUR	0.0168	0.0193	0.0200	0.0210
10:00-11:00 HOUR	0.0182	0.0200	0.0202	0.0229
11:00-12:00 HOUR	0.0201	0.0205	0.0208	0.0222
12:00-13:00 HOUR	0.0226	0.0215	0.0190	0.0216
13:00-14:00 HOUR	0.0251	0.0219	0.0164	0.0178
14:00-15:00 HOUR	0.0263	0.0227	0.0132	0.0135
15:00-16:00 HOUR	0.0269	0.0238	0.0126	0.0117
16:00-17:00 HOUR	0.0246	0.0235	0.0112	0.0093
17:00-18:00 HOUR	0.0217	0.0230	0.0107	0.0089
18:00-19:00 HOUR	0.0185	0.0250	0.0089	0.0061
19:00-20:00 HOUR	0.0174	0.0276	0.0084	0.0062
20:00-21:00 HOUR	0.0166	0.0289	0.0136	0.0136
21:00-22:00 HOUR	0.0186	0.0298	0.0196	0.0177
22:00-23:00 HOUR	0.0191	0.0276	0.0259	0.0290
23:00-00:00 HOUR	0.0179	0.0273	0.0230	0.0209
00:00-01:00 HOUR	0.0132	0.0217	0.0211	0.0172
01:00-02:00 HOUR	0.0097	0.0176	0.0163	0.0124
02:00-03:00 HOUR	0.0084	0.0136	0.0138	0.0087
03:00-04:00 HOUR	0.0066	0.0129	0.0119	0.0066
04:00-05:00 HOUR	0.0066	0.0130	0.0116	0.0062
05:00-06:00 HOUR	0.0074	0.0128	0.0125	0.0078
06:00-07:00 HOUR	0.0096	0.0144	0.0145	0.0100

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: APRIL 23-30, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: APRIL 23-30, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 14, 2025
MEASURING PLACE	: โรงเรียนหนองใหญ่ศิริราชวิทยาคม	REPORT NO.	: 2025-U041284
MEASURING TYPE	: AMBIENT (AIR)	WORK NO.	: 2024-011490
MEASURING DATE	: APRIL 23-30, 2025	ANALYSIS NO.	: T25AJ663-0001 - T25AJ663-0007
MEASURING TIME	: *		
MEASURING METHOD	: UV FLUORESCENCE		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	APRIL 23-24, 2025 T25AJ663-0001	APRIL 24-25, 2025 T25AJ663-0002	APRIL 25-26, 2025 T25AJ663-0003
07:00-08:00 HOUR	0.0031	0.0026	0.0030
08:00-09:00 HOUR	0.0029	0.0026	0.0031
09:00-10:00 HOUR	0.0027	0.0027	0.0029
10:00-11:00 HOUR	0.0029	0.0031	0.0029
11:00-12:00 HOUR	0.0031	0.0034	0.0030
12:00-13:00 HOUR	0.0032	0.0034	0.0031
13:00-14:00 HOUR	0.0030	0.0033	0.0032
14:00-15:00 HOUR	0.0028	0.0029	0.0030
15:00-16:00 HOUR	0.0027	0.0028	0.0030
16:00-17:00 HOUR	0.0028	0.0028	0.0029
17:00-18:00 HOUR	0.0029	0.0031	0.0031
18:00-19:00 HOUR	0.0030	0.0033	0.0030
19:00-20:00 HOUR	0.0028	0.0030	0.0029
20:00-21:00 HOUR	0.0027	0.0028	0.0025
21:00-22:00 HOUR	0.0026	0.0024	0.0027
22:00-23:00 HOUR	0.0025	0.0025	0.0028
23:00-00:00 HOUR	0.0020	0.0025	0.0029
00:00-01:00 HOUR	0.0017	0.0026	0.0028
01:00-02:00 HOUR	0.0017	0.0024	0.0027
02:00-03:00 HOUR	0.0020	0.0023	0.0026
03:00-04:00 HOUR	0.0023	0.0023	0.0025
04:00-05:00 HOUR	0.0026	0.0023	0.0025
05:00-06:00 HOUR	0.0029	0.0025	0.0024
06:00-07:00 HOUR	0.0030	0.0028	0.0025
AVERAGE 24 HOUR	0.0027	0.0028	0.0028



TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม			
	APRIL 26-27, 2025 T25AJ663-0004	APRIL 27-28, 2025 T25AJ663-0005	APRIL 28-29, 2025 T25AJ663-0006	APRIL 29-30, 2025 T25AJ663-0007
07:00-08:00 HOUR	0.0024	0.0027	0.0038	0.0030
08:00-09:00 HOUR	0.0025	0.0029	0.0037	0.0030
09:00-10:00 HOUR	0.0028	0.0030	0.0034	0.0031
10:00-11:00 HOUR	0.0029	0.0031	0.0031	0.0028
11:00-12:00 HOUR	0.0029	0.0029	0.0031	0.0030
12:00-13:00 HOUR	0.0028	0.0030	0.0031	0.0028
13:00-14:00 HOUR	0.0029	0.0032	0.0031	0.0029
14:00-15:00 HOUR	0.0030	0.0035	0.0032	0.0028
15:00-16:00 HOUR	0.0028	0.0033	0.0031	0.0027
16:00-17:00 HOUR	0.0026	0.0033	0.0029	0.0024
17:00-18:00 HOUR	0.0023	0.0032	0.0027	0.0024
18:00-19:00 HOUR	0.0023	0.0032	0.0026	0.0023
19:00-20:00 HOUR	0.0025	0.0030	0.0027	0.0025
20:00-21:00 HOUR	0.0026	0.0028	0.0029	0.0026
21:00-22:00 HOUR	0.0025	0.0029	0.0032	0.0026
22:00-23:00 HOUR	0.0023	0.0027	0.0030	0.0027
23:00-00:00 HOUR	0.0022	0.0026	0.0026	0.0025
00:00-01:00 HOUR	0.0021	0.0022	0.0025	0.0020
01:00-02:00 HOUR	0.0022	0.0023	0.0023	0.0021
02:00-03:00 HOUR	0.0022	0.0025	0.0025	0.0021
03:00-04:00 HOUR	0.0024	0.0026	0.0027	0.0024
04:00-05:00 HOUR	0.0024	0.0027	0.0029	0.0027
05:00-06:00 HOUR	0.0026	0.0030	0.0029	0.0030
06:00-07:00 HOUR	0.0027	0.0034	0.0029	0.0032
AVERAGE 24 HOUR	0.0025	0.0029	0.0030	0.0027

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : วัดหนองใหญ่ศิริธรรม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 23-30, 2025
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : APRIL 23-30, 2025
ANALYTICAL DATE : APRIL 23-30, 2025
ISSUE DATE : MAY 14, 2025
REPORT NO. : 2025-U041285
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0008 - T25AJ663-0014

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	วัดหนองใหญ่ศิริธรรม		
	APRIL 23-24, 2025 T25AJ663-0008	APRIL 24-25, 2025 T25AJ663-0009	APRIL 25-26, 2025 T25AJ663-0010
07:00-08:00 HOUR	0.0028	0.0025	0.0029
08:00-09:00 HOUR	0.0032	0.0029	0.0031
09:00-10:00 HOUR	0.0030	0.0031	0.0032
10:00-11:00 HOUR	0.0028	0.0033	0.0032
11:00-12:00 HOUR	0.0027	0.0030	0.0035
12:00-13:00 HOUR	0.0030	0.0027	0.0037
13:00-14:00 HOUR	0.0031	0.0028	0.0036
14:00-15:00 HOUR	0.0030	0.0027	0.0033
15:00-16:00 HOUR	0.0029	0.0026	0.0030
16:00-17:00 HOUR	0.0028	0.0023	0.0030
17:00-18:00 HOUR	0.0028	0.0024	0.0028
18:00-19:00 HOUR	0.0028	0.0023	0.0028
19:00-20:00 HOUR	0.0029	0.0024	0.0026
20:00-21:00 HOUR	0.0031	0.0024	0.0028
21:00-22:00 HOUR	0.0031	0.0027	0.0026
22:00-23:00 HOUR	0.0030	0.0025	0.0024
23:00-00:00 HOUR	0.0023	0.0023	0.0023
00:00-01:00 HOUR	0.0018	0.0020	0.0022
01:00-02:00 HOUR	0.0016	0.0018	0.0020
02:00-03:00 HOUR	0.0015	0.0017	0.0020
03:00-04:00 HOUR	0.0017	0.0018	0.0021
04:00-05:00 HOUR	0.0019	0.0020	0.0024
05:00-06:00 HOUR	0.0022	0.0021	0.0026
06:00-07:00 HOUR	0.0026	0.0024	0.0028
AVERAGE 24 HOUR	0.0026	0.0024	0.0028



TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	วัดหนองใหญ่ศิริธรรม			
	APRIL 26-27, 2025 T25AJ663-0011	APRIL 27-28, 2025 T25AJ663-0012	APRIL 28-29, 2025 T25AJ663-0013	APRIL 29-30, 2025 T25AJ663-0014
07:00-08:00 HOUR	0.0028	0.0027	0.0031	0.0026
08:00-09:00 HOUR	0.0030	0.0028	0.0032	0.0028
09:00-10:00 HOUR	0.0030	0.0026	0.0033	0.0028
10:00-11:00 HOUR	0.0029	0.0028	0.0029	0.0028
11:00-12:00 HOUR	0.0028	0.0027	0.0028	0.0030
12:00-13:00 HOUR	0.0028	0.0028	0.0029	0.0031
13:00-14:00 HOUR	0.0030	0.0026	0.0028	0.0032
14:00-15:00 HOUR	0.0029	0.0029	0.0027	0.0032
15:00-16:00 HOUR	0.0031	0.0032	0.0028	0.0033
16:00-17:00 HOUR	0.0031	0.0034	0.0028	0.0033
17:00-18:00 HOUR	0.0032	0.0030	0.0027	0.0033
18:00-19:00 HOUR	0.0028	0.0029	0.0025	0.0031
19:00-20:00 HOUR	0.0031	0.0028	0.0023	0.0031
20:00-21:00 HOUR	0.0028	0.0030	0.0025	0.0031
21:00-22:00 HOUR	0.0027	0.0030	0.0024	0.0031
22:00-23:00 HOUR	0.0023	0.0028	0.0024	0.0032
23:00-00:00 HOUR	0.0022	0.0026	0.0021	0.0026
00:00-01:00 HOUR	0.0018	0.0023	0.0017	0.0020
01:00-02:00 HOUR	0.0018	0.0024	0.0015	0.0018
02:00-03:00 HOUR	0.0020	0.0023	0.0013	0.0017
03:00-04:00 HOUR	0.0022	0.0025	0.0016	0.0019
04:00-05:00 HOUR	0.0024	0.0027	0.0019	0.0022
05:00-06:00 HOUR	0.0023	0.0029	0.0022	0.0022
06:00-07:00 HOUR	0.0027	0.0030	0.0024	0.0025
AVERAGE 24 HOUR	0.0027	0.0028	0.0025	0.0027

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : พื้นที่โครงการ
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 23-30, 2025
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : APRIL 23-30, 2025
ANALYTICAL DATE : APRIL 23-30, 2025
ISSUE DATE : MAY 14, 2025
REPORT NO. : 2025-U041286
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0015 - T25AJ663-0021

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	พื้นที่โครงการ		
	APRIL 23-24, 2025 T25AJ663-0015	APRIL 24-25, 2025 T25AJ663-0016	APRIL 25-26, 2025 T25AJ663-0017
07:00-08:00 HOUR	0.0028	0.0029	0.0028
08:00-09:00 HOUR	0.0030	0.0027	0.0028
09:00-10:00 HOUR	0.0029	0.0026	0.0029
10:00-11:00 HOUR	0.0026	0.0027	0.0030
11:00-12:00 HOUR	0.0025	0.0029	0.0028
12:00-13:00 HOUR	0.0027	0.0028	0.0027
13:00-14:00 HOUR	0.0030	0.0026	0.0023
14:00-15:00 HOUR	0.0029	0.0027	0.0021
15:00-16:00 HOUR	0.0029	0.0030	0.0020
16:00-17:00 HOUR	0.0027	0.0033	0.0019
17:00-18:00 HOUR	0.0028	0.0030	0.0020
18:00-19:00 HOUR	0.0025	0.0027	0.0023
19:00-20:00 HOUR	0.0026	0.0026	0.0026
20:00-21:00 HOUR	0.0027	0.0026	0.0028
21:00-22:00 HOUR	0.0027	0.0026	0.0029
22:00-23:00 HOUR	0.0026	0.0026	0.0029
23:00-00:00 HOUR	0.0024	0.0023	0.0027
00:00-01:00 HOUR	0.0024	0.0019	0.0026
01:00-02:00 HOUR	0.0023	0.0015	0.0027
02:00-03:00 HOUR	0.0025	0.0016	0.0026
03:00-04:00 HOUR	0.0026	0.0017	0.0025
04:00-05:00 HOUR	0.0027	0.0018	0.0025
05:00-06:00 HOUR	0.0027	0.0022	0.0030
06:00-07:00 HOUR	0.0029	0.0024	0.0032
AVERAGE 24 HOUR	0.0027	0.0025	0.0026



TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	พื้นที่โครงการ			
	APRIL 26-27, 2025 T25AJ663-0018	APRIL 27-28, 2025 T25AJ663-0019	APRIL 28-29, 2025 T25AJ663-0020	APRIL 29-30, 2025 T25AJ663-0021
07:00-08:00 HOUR	0.0038	0.0033	0.0029	0.0030
08:00-09:00 HOUR	0.0038	0.0032	0.0028	0.0027
09:00-10:00 HOUR	0.0039	0.0036	0.0032	0.0025
10:00-11:00 HOUR	0.0035	0.0037	0.0036	0.0022
11:00-12:00 HOUR	0.0032	0.0037	0.0037	0.0021
12:00-13:00 HOUR	0.0028	0.0032	0.0034	0.0020
13:00-14:00 HOUR	0.0024	0.0028	0.0033	0.0021
14:00-15:00 HOUR	0.0020	0.0028	0.0032	0.0021
15:00-16:00 HOUR	0.0019	0.0030	0.0033	0.0022
16:00-17:00 HOUR	0.0019	0.0029	0.0031	0.0021
17:00-18:00 HOUR	0.0021	0.0028	0.0027	0.0022
18:00-19:00 HOUR	0.0022	0.0028	0.0027	0.0024
19:00-20:00 HOUR	0.0026	0.0027	0.0025	0.0027
20:00-21:00 HOUR	0.0027	0.0029	0.0026	0.0030
21:00-22:00 HOUR	0.0028	0.0027	0.0024	0.0028
22:00-23:00 HOUR	0.0027	0.0025	0.0027	0.0028
23:00-00:00 HOUR	0.0026	0.0021	0.0024	0.0024
00:00-01:00 HOUR	0.0025	0.0019	0.0022	0.0024
01:00-02:00 HOUR	0.0025	0.0018	0.0023	0.0024
02:00-03:00 HOUR	0.0025	0.0017	0.0022	0.0026
03:00-04:00 HOUR	0.0025	0.0018	0.0023	0.0025
04:00-05:00 HOUR	0.0028	0.0019	0.0023	0.0024
05:00-06:00 HOUR	0.0032	0.0021	0.0024	0.0024
06:00-07:00 HOUR	0.0033	0.0024	0.0025	0.0025
AVERAGE 24 HOUR	0.0028	0.0027	0.0028	0.0024

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : โรงเรียนหนองใหญ่ศิริราชวิทยาคม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 23-30, 2025
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : APRIL 23-30, 2025
ANALYTICAL DATE : APRIL 23-30, 2025
ISSUE DATE : MAY 14, 2025
REPORT NO. : 2025-U041290
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0001 - T25AJ663-0007

TIME *	RESULT (m/s)					
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม					
	APRIL 23-24, 2025 T25AJ663-0001		APRIL 24-25, 2025 T25AJ663-0002		APRIL 25-26, 2025 T25AJ663-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.6	E	1.6	E	1.1	ESE
08:00-09:00 HOUR	1.8	S	1.1	S	0.9	SE
09:00-10:00 HOUR	1.9	SW	1.0	SSW	1.2	SSE
10:00-11:00 HOUR	2.0	SSW	0.6	SSW	1.4	S
11:00-12:00 HOUR	1.6	S	1.0	SSW	1.8	S
12:00-13:00 HOUR	1.8	SSW	0.7	SSW	2.2	S
13:00-14:00 HOUR	1.3	SW	1.0	SSW	2.3	SSW
14:00-15:00 HOUR	1.2	SSW	0.8	WSW	1.9	WSW
15:00-16:00 HOUR	1.1	SSW	0.8	NW	2.2	WSW
16:00-17:00 HOUR	1.3	NW	1.4	WSW	1.7	SW
17:00-18:00 HOUR	1.0	S	1.2	S	1.9	SW
18:00-19:00 HOUR	0.9	S	1.9	S	1.7	SW
19:00-20:00 HOUR	1.0	SSW	1.7	SSW	1.9	SSW
20:00-21:00 HOUR	1.2	SSW	2.3	SSW	1.7	SSW
21:00-22:00 HOUR	1.3	S	2.0	SSW	2.3	SSW
22:00-23:00 HOUR	1.2	S	1.9	SSW	1.7	SSE
23:00-00:00 HOUR	1.6	S	1.6	SSW	1.6	S
00:00-01:00 HOUR	1.4	S	1.6	SW	2.0	SSW
01:00-02:00 HOUR	2.2	S	1.2	SW	2.0	S
02:00-03:00 HOUR	1.4	SSW	0.8	SSE	1.8	SSW
03:00-04:00 HOUR	2.3	SW	1.2	S	1.9	SSE
04:00-05:00 HOUR	1.6	SW	0.9	WSW	1.9	S
05:00-06:00 HOUR	2.1	SSW	1.0	SE	2.1	SSE
06:00-07:00 HOUR	1.7	ENE	1.2	E	2.3	SE



TIME *	RESULT (m/s)							
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม							
	APRIL 26-27, 2025		APRIL 27-28, 2025		APRIL 28-29, 2025		APRIL 29-30, 2025	
	T25AJ663-0004		T25AJ663-0005		T25AJ663-0006		T25AJ663-0007	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	2.1	E	1.4	ESE	0.8	E	1.9	WSW
08:00-09:00 HOUR	1.6	SSE	1.9	SSW	1.2	E	1.3	E
09:00-10:00 HOUR	1.5	SSW	1.4	S	1.1	SE	1.6	E
10:00-11:00 HOUR	2.2	SSW	1.4	SW	1.8	S	1.5	ENE
11:00-12:00 HOUR	2.2	SSW	1.9	SSW	1.8	SSE	1.3	ENE
12:00-13:00 HOUR	2.1	SSW	1.8	SSW	1.8	S	0.8	NE
13:00-14:00 HOUR	1.9	SSW	2.3	S	1.4	SSW	1.1	W
14:00-15:00 HOUR	2.2	SW	1.8	SE	1.6	SSW	1.1	W
15:00-16:00 HOUR	1.9	SSW	2.5	SSE	1.1	W	1.0	W
16:00-17:00 HOUR	1.6	SSW	2.1	SSE	1.1	WSW	0.7	WNW
17:00-18:00 HOUR	1.5	SSW	1.2	SSE	1.2	SW	1.0	SE
18:00-19:00 HOUR	1.1	SSW	1.3	SSW	1.5	SW	0.6	SSE
19:00-20:00 HOUR	1.1	SSW	1.0	SSW	1.4	WSW	0.9	S
20:00-21:00 HOUR	0.9	SSW	0.8	WSW	2.1	ESE	0.9	SSW
21:00-22:00 HOUR	0.9	SSW	0.8	WSW	1.7	ESE	1.0	SSE
22:00-23:00 HOUR	0.8	SSE	0.9	SSW	1.5	E	0.7	E
23:00-00:00 HOUR	0.9	SSE	0.9	SE	1.8	E	0.6	E
00:00-01:00 HOUR	1.3	SE	1.2	SW	2.2	WSW	0.6	NE
01:00-02:00 HOUR	0.8	ESE	0.9	NNW	1.8	E	0.8	NE
02:00-03:00 HOUR	1.2	E	1.0	E	1.6	ENE	0.7	ESE
03:00-04:00 HOUR	1.6	E	0.9	ENE	1.8	ENE	0.9	ENE
04:00-05:00 HOUR	1.5	E	1.0	E	1.6	ESE	0.9	N
05:00-06:00 HOUR	1.4	E	0.9	E	1.4	E	0.5	S
06:00-07:00 HOUR	2.0	E	1.0	E	1.7	ENE	0.7	E

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : วัดหนองใหญ่ศิริธรรม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 23-30, 2025
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : APRIL 23-30, 2025
ANALYTICAL DATE : APRIL 23-30, 2025
ISSUE DATE : MAY 14, 2025
REPORT NO. : 2025-U041292
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ663-0008 - T25AJ663-0014

TIME *	RESULT (m/s)					
	วัดหนองใหญ่ศิริธรรม					
	APRIL 23-24, 2025 T25AJ663-0008		APRIL 24-25, 2025 T25AJ663-0009		APRIL 25-26, 2025 T25AJ663-0010	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.8	E	2.0	E	1.2	ESE
08:00-09:00 HOUR	1.4	S	1.9	SSW	1.1	SE
09:00-10:00 HOUR	1.0	SW	1.3	SSW	0.9	SSE
10:00-11:00 HOUR	0.7	SSW	1.0	SW	1.2	S
11:00-12:00 HOUR	0.8	S	1.0	SSW	1.4	S
12:00-13:00 HOUR	0.6	SSW	0.7	SSW	0.9	S
13:00-14:00 HOUR	0.7	SSW	0.6	SSW	1.2	SSW
14:00-15:00 HOUR	0.9	SW	0.9	WSW	0.8	WSW
15:00-16:00 HOUR	1.0	SSW	0.8	NW	0.9	WSW
16:00-17:00 HOUR	0.8	NW	0.7	WSW	0.9	SW
17:00-18:00 HOUR	0.8	S	1.1	S	0.9	SSW
18:00-19:00 HOUR	0.9	S	0.9	S	0.7	SW
19:00-20:00 HOUR	1.1	SSW	1.1	S	0.9	SSW
20:00-21:00 HOUR	0.9	S	0.8	SSW	1.6	SSW
21:00-22:00 HOUR	1.0	S	0.9	SSW	1.2	SSW
22:00-23:00 HOUR	1.1	SSE	0.8	SSW	1.4	S
23:00-00:00 HOUR	0.9	S	0.9	SSW	1.5	S
00:00-01:00 HOUR	1.4	S	1.0	SSW	1.6	SSW
01:00-02:00 HOUR	1.7	S	0.8	SW	1.1	S
02:00-03:00 HOUR	1.7	SSW	0.7	SSE	1.4	SW
03:00-04:00 HOUR	1.8	SW	0.9	SSW	1.2	SSE
04:00-05:00 HOUR	1.7	SSW	0.7	SW	1.2	S
05:00-06:00 HOUR	2.0	SSW	0.8	SSE	0.8	SSE
06:00-07:00 HOUR	2.0	ENE	0.9	E	1.0	SSE



TIME *	RESULT (m/s)							
	วัดหนองใหญ่ศิริธรรม							
	APRIL 26-27, 2025		APRIL 27-28, 2025		APRIL 28-29, 2025		APRIL 29-30, 2025	
	T25AJ663-0011		T25AJ663-0012		T25AJ663-0013		T25AJ663-0014	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.0	ESE	1.0	ESE	1.1	E	2.0	WSW
08:00-09:00 HOUR	0.9	SSE	0.9	SSW	1.1	E	1.8	E
09:00-10:00 HOUR	1.4	SSW	0.7	S	1.1	SSE	1.6	ESE
10:00-11:00 HOUR	1.3	SSW	0.9	SW	1.6	SSW	1.5	NE
11:00-12:00 HOUR	1.9	SSW	0.7	SSW	2.2	SSE	1.9	E
12:00-13:00 HOUR	1.8	SW	1.3	SSW	1.8	SSE	1.2	NE
13:00-14:00 HOUR	2.3	SW	1.9	S	1.6	SSW	1.0	W
14:00-15:00 HOUR	1.5	SW	1.6	SE	1.5	SSW	1.0	W
15:00-16:00 HOUR	2.3	SSW	1.8	SSE	1.3	W	1.1	W
16:00-17:00 HOUR	2.1	SSW	2.0	SSE	1.1	WSW	1.2	W
17:00-18:00 HOUR	2.3	SSW	1.5	S	1.0	SSW	1.6	SE
18:00-19:00 HOUR	1.9	SSW	2.3	SSW	0.8	SW	1.8	SE
19:00-20:00 HOUR	2.1	SSW	1.4	SSW	0.9	WSW	1.7	S
20:00-21:00 HOUR	1.5	S	1.8	WSW	1.1	ESE	1.7	SW
21:00-22:00 HOUR	1.7	S	1.7	WSW	0.8	ESE	2.1	SSE
22:00-23:00 HOUR	2.0	SSE	2.1	SSW	0.9	E	2.2	E
23:00-00:00 HOUR	1.6	S	2.5	SE	1.6	ESE	1.6	E
00:00-01:00 HOUR	1.1	ESE	1.4	SW	1.4	WSW	2.1	NE
01:00-02:00 HOUR	0.9	ESE	1.2	NNW	2.2	E	2.3	NE
02:00-03:00 HOUR	1.2	E	1.3	E	1.5	ENE	1.7	SE
03:00-04:00 HOUR	0.8	ENE	1.0	ENE	1.6	NE	1.6	ENE
04:00-05:00 HOUR	1.2	E	1.1	E	1.8	E	2.0	N
05:00-06:00 HOUR	1.1	E	0.7	E	1.4	ENE	1.9	S
06:00-07:00 HOUR	1.0	E	1.1	E	1.5	E	2.0	E

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: APRIL 23-30, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: APRIL 23-30, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 14, 2025
MEASURING PLACE	: พื้นที่โครงการ	REPORT NO.	: 2025-U041293
MEASURING TYPE	: AMBIENT (AIR)	WORK NO.	: 2024-011490
MEASURING DATE	: APRIL 23-30, 2025	ANALYSIS NO.	: T25AJ663-0015 - T25AJ663-0021
MEASURING TIME	: *		
MEASURING METHOD	: WIND SPEED & WIND DIRECTION EQUIPMENT		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME *	RESULT (m/s)					
	พื้นที่โครงการ					
	APRIL 23-24, 2025 T25AJ663-0015		APRIL 24-25, 2025 T25AJ663-0016		APRIL 25-26, 2025 T25AJ663-0017	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	0.8	E	1.4	ESE	0.6	ESE
08:00-09:00 HOUR	1.0	SSE	1.0	S	1.0	SE
09:00-10:00 HOUR	1.0	SW	1.1	SSW	0.9	SE
10:00-11:00 HOUR	0.9	SSW	1.0	SSW	1.3	S
11:00-12:00 HOUR	0.7	S	1.1	SW	1.1	S
12:00-13:00 HOUR	1.0	SSW	0.8	SSW	1.8	S
13:00-14:00 HOUR	0.8	SW	1.3	S	1.8	SSW
14:00-15:00 HOUR	1.0	SSW	1.5	WSW	1.5	WSW
15:00-16:00 HOUR	1.1	SW	1.7	NW	1.2	SW
16:00-17:00 HOUR	0.9	NW	2.1	SW	1.2	SW
17:00-18:00 HOUR	1.1	SSW	1.9	S	1.2	SW
18:00-19:00 HOUR	0.9	S	1.1	SSW	1.2	SSW
19:00-20:00 HOUR	1.0	SSW	1.3	SSW	0.9	SSW
20:00-21:00 HOUR	1.0	S	1.1	SSW	0.8	SSW
21:00-22:00 HOUR	1.3	S	1.2	SSW	1.1	SSW
22:00-23:00 HOUR	1.3	SSE	1.0	SSW	1.3	SSE
23:00-00:00 HOUR	1.7	S	1.0	SSW	1.0	S
00:00-01:00 HOUR	1.7	SSE	1.0	SW	1.1	SSW
01:00-02:00 HOUR	2.0	SSW	1.1	SW	0.9	S
02:00-03:00 HOUR	2.1	S	0.6	SSE	1.0	SSW
03:00-04:00 HOUR	2.4	SW	1.1	S	0.9	S
04:00-05:00 HOUR	1.6	SW	1.1	WSW	1.1	S
05:00-06:00 HOUR	2.1	SW	0.7	SE	0.9	SSE
06:00-07:00 HOUR	2.4	E	1.0	E	0.9	SE



TIME *	RESULT (m/s)							
	พื้นที่โครงการ							
	APRIL 26-27, 2025		APRIL 27-28, 2025		APRIL 28-29, 2025		APRIL 29-30, 2025	
	T25AJ663-0018		T25AJ663-0019		T25AJ663-0020		T25AJ663-0021	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	0.7	E	0.8	ESE	0.9	E	1.2	WSW
08:00-09:00 HOUR	1.0	SSE	1.2	SSW	0.8	E	0.9	E
09:00-10:00 HOUR	1.2	SSW	1.4	S	1.2	SE	1.7	E
10:00-11:00 HOUR	1.1	SSW	1.5	SW	0.8	S	1.3	ENE
11:00-12:00 HOUR	1.0	SW	1.6	SSW	1.0	SE	1.6	E
12:00-13:00 HOUR	0.8	SSW	2.3	SSW	0.7	SSE	2.4	NE
13:00-14:00 HOUR	1.2	SW	2.2	S	0.9	SSW	1.5	W
14:00-15:00 HOUR	1.2	SW	1.5	SSE	1.1	SSW	2.1	W
15:00-16:00 HOUR	1.2	SSW	2.4	SSE	1.4	W	1.5	W
16:00-17:00 HOUR	1.2	SW	1.8	SSE	1.5	WSW	1.2	WNW
17:00-18:00 HOUR	1.0	SSW	2.1	SSE	1.6	SW	1.1	SE
18:00-19:00 HOUR	1.3	S	1.4	SSW	2.4	SW	1.2	SSE
19:00-20:00 HOUR	1.0	SSW	1.7	SW	2.0	WSW	0.9	S
20:00-21:00 HOUR	1.0	SSW	1.7	WSW	2.0	ESE	1.1	SW
21:00-22:00 HOUR	1.0	S	1.4	WSW	1.8	ESE	0.8	SSE
22:00-23:00 HOUR	0.7	SSE	1.1	S	2.0	E	0.9	E
23:00-00:00 HOUR	0.8	S	1.0	SSE	1.4	E	1.4	E
00:00-01:00 HOUR	1.0	SE	0.8	SW	1.1	WSW	1.0	NE
01:00-02:00 HOUR	1.0	ESE	0.8	NNW	0.9	ESE	1.6	NE
02:00-03:00 HOUR	1.1	E	0.7	E	0.6	ENE	1.7	SE
03:00-04:00 HOUR	0.8	E	0.9	ENE	0.8	ENE	2.0	ENE
04:00-05:00 HOUR	0.7	E	1.2	E	0.9	E	1.4	N
05:00-06:00 HOUR	0.8	E	1.1	ESE	0.8	ENE	1.9	S
06:00-07:00 HOUR	1.1	E	0.7	E	0.9	ENE	2.0	E

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

TIME *	RESULT (m/s)							
	พื้นที่โครงการ							
	APRIL 26-27, 2025		APRIL 27-28, 2025		APRIL 28-29, 2025		APRIL 29-30, 2025	
	T25AJ663-0018		T25AJ663-0019		T25AJ663-0020		T25AJ663-0021	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	0.7	E	0.8	ESE	0.9	E	1.2	WSW
08:00-09:00 HOUR	1.0	SSE	1.2	SSW	0.8	E	0.9	E
09:00-10:00 HOUR	1.2	SSW	1.4	S	1.2	SE	1.7	E
10:00-11:00 HOUR	1.1	SSW	1.5	SW	0.8	S	1.3	ENE
11:00-12:00 HOUR	1.0	SW	1.6	SSW	1.0	SE	1.6	E
12:00-13:00 HOUR	0.8	SSW	2.3	SSW	0.7	SSE	2.4	NE
13:00-14:00 HOUR	1.2	SW	2.2	S	0.9	SSW	1.5	W
14:00-15:00 HOUR	1.2	SW	1.5	SSE	1.1	SSW	2.1	W
15:00-16:00 HOUR	1.2	SSW	2.4	SSE	1.4	W	1.5	W
16:00-17:00 HOUR	1.2	SW	1.8	SSE	1.5	WSW	1.2	WNW
17:00-18:00 HOUR	1.0	SSW	2.1	SSE	1.6	SW	1.1	SE
18:00-19:00 HOUR	1.3	S	1.4	SSW	2.4	SW	1.2	SSE
19:00-20:00 HOUR	1.0	SSW	1.7	SW	2.0	WSW	0.9	S
20:00-21:00 HOUR	1.0	SSW	1.7	WSW	2.0	ESE	1.1	SW
21:00-22:00 HOUR	1.0	S	1.4	WSW	1.8	ESE	0.8	SSE
22:00-23:00 HOUR	0.7	SSE	1.1	S	2.0	E	0.9	E
23:00-00:00 HOUR	0.8	S	1.0	SSE	1.4	E	1.4	E
00:00-01:00 HOUR	1.0	SE	0.8	SW	1.1	WSW	1.0	NE
01:00-02:00 HOUR	1.0	ESE	0.8	NNW	0.9	ESE	1.6	NE
02:00-03:00 HOUR	1.1	E	0.7	E	0.6	ENE	1.7	SE
03:00-04:00 HOUR	0.8	E	0.9	ENE	0.8	ENE	2.0	ENE
04:00-05:00 HOUR	0.7	E	1.2	E	0.9	E	1.4	N
05:00-06:00 HOUR	0.8	E	1.1	ESE	0.8	ENE	1.9	S
06:00-07:00 HOUR	1.1	E	0.7	E	0.9	ENE	2.0	E

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR



- PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.
- THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

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ใบรายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JANUARY 30, 2025
SAMPLING TIME : 10:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR CHAI BUASOD
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JANUARY 31, 2025
ANALYTICAL DATE : JANUARY 31 - FEBRUARY 5, 2025
ISSUE DATE : FEBRUARY 11, 2025
REPORT NO. : 2025-U010854
WORK NO. : 2024-011490
ANALYSIS NO. : T25AC005-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			นำเสียบก่อนเข้าระบบบำบัด T25AC005-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.5 (53.5°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	24,795	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	64,839	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	45,230	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID 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.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JANUARY 30, 2025
SAMPLING TIME : 10:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR CHAI BUASOD
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JANUARY 31, 2025
ANALYTICAL DATE : JANUARY 31 - FEBRUARY 5, 2025
ISSUE DATE : FEBRUARY 11, 2025
REPORT NO. : 2025-U010855
WORK NO. : 2024-011490
ANALYSIS NO. : T25AC005-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXIDATION POND T25AC005-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.1 (28.4°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.1	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	37.0	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	5.3	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID 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.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : FEBRUARY 17, 2025
SAMPLING TIME : 09:18 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : FEBRUARY 17, 2025
ANALYTICAL DATE : FEBRUARY 17-25, 2025
ISSUE DATE : FEBRUARY 27, 2025
REPORT NO. : 2025-U016437
WORK NO. : 2024-011490
ANALYSIS NO. : T25AD313-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			น้ำเสียบก่อนเข้าระบบบำบัด T25AD313-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.8 (57.3°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	30,840	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	52,903	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	41,060	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID 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.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : FEBRUARY 17, 2025
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : FEBRUARY 17, 2025
ANALYTICAL DATE : FEBRUARY 17-25, 2025
ISSUE DATE : MARCH 24, 2025
REPORT NO. : 2025-U024562
WORK NO. : 2024-011490
ANALYSIS NO. : T25AD313-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXDATION POND T25AD313-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (31.6°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.1	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	56.6	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	12.1	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREEN		

^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.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017.

[^] : SAMPLING BY CUSTOMER AT 09:00 HOUR ON FEBRUARY 27, 2025, ANALYSIS NO. T25AE268-0001
(ANALYTICAL DATE : FEBRUARY 28 - MARCH 6, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND AND CHEMICAL OXYGEN DEMAND.
SUBSTITUTED REPORT FOR REPORT NO. 2025-U016438, ISSUE DATE FEBRUARY 27, 2025.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MARCH 17, 2025
SAMPLING TIME : 13:50 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR CHAI BUASOD
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : MARCH 18, 2025
ANALYTICAL DATE : MARCH 18-24, 2025
ISSUE DATE : MARCH 31, 2025
REPORT NO. : 2025-U026693
WORK NO. : 2024-011490
ANALYSIS NO. : T25AF774-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			น้ำเสียก่อนเข้าระบบบำบัด T25AF774-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.8 (53.7°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	17,790	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	56,452	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	40,230	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID 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.

Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MARCH 17, 2025
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR CHAI BUASOD
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : MARCH 18, 2025
ANALYTICAL DATE : MARCH 18-25, 2025
ISSUE DATE : APRIL 29, 2025
REPORT NO. : 2025-U037131
WORK NO. : 2024-011490
ANALYSIS NO. : T25AF774-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXDATION POND T25AF774-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (37.0°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.9	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	71.8	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	23.6	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID 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.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017.

[^] : SAMPLING BY CUSTOMER RECEIVED ON APRIL 8, 2025, ANALYSIS NO. T25AH596-0001 (ANALYTICAL DATE : APRIL 8-15, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND AND CHEMICAL OXYGEN DEMAND.
SUBSTITUTED REPORT FOR REPORT NO. 2025-U026694, ISSUE DATE MARCH 31, 2025.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 29, 2025
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR SETTHAWUT EMKLINBUA
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 30, 2025
ANALYTICAL DATE : APRIL 30 - MAY 8, 2025
ISSUE DATE : MAY 14, 2025
REPORT NO. : 2025-U041336
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ196-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			น้ำเสียก่อนเข้าระบบบำบัด T25AJ196-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	5.1 (54.4°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	18,870	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	48,710	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	50,590	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID 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.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 29, 2025
SAMPLING TIME : 13:50 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR SETTHAWUT EMKLINBUA
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 30, 2025
ANALYTICAL DATE : APRIL 30 - MAY 9, 2025
ISSUE DATE : JUNE 4, 2025
REPORT NO. : 2025-U049217
WORK NO. : 2024-011490
ANALYSIS NO. : T25AJ196-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXDATION POND T25AJ196-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.2 (33.3°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	9.4	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	59.6	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	18.9	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREEN		

^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.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017.

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND AND CHEMICAL OXYGEN DEMAND.
SUBSTITUTED REPORT FOR REPORT NO. 2025-U041338, ISSUE DATE MAY 14, 2025.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MAY 21, 2025
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MAY 21, 2025
ANALYTICAL DATE : MAY 21-27, 2025
ISSUE DATE : MAY 30, 2025
REPORT NO. : 2025-U048779
WORK NO. : 2024-011490
ANALYSIS NO. : T25AK919-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			น้ำเสียมก่อนเข้าระบบบำบัด T25AK919-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.6 (50.2°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	22,800	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	57,097	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	40,483	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID 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.

Wilailak Srisuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MAY 21, 2025
SAMPLING TIME : 11:25 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : MAY 21, 2025
ANALYTICAL DATE : MAY 21-27, 2025
ISSUE DATE : MAY 30, 2025
REPORT NO. : 2025-U048780
WORK NO. : 2024-011490
ANALYSIS NO. : T25AK919-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXDATION POND T25AK919-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.8 (32.6°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	49.5	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	< 5.0	≤ 50	5.0
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.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)		
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190		
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com		
SAMPLING SOURCE	: -		
SAMPLE TYPE	: WASTEWATER	RECEIVED DATE	: JUNE 6, 2025
SAMPLING DATE	: JUNE 6, 2025	ANALYTICAL DATE	: JUNE 6-13, 2025
SAMPLING TIME	: 09:45 HOUR	ISSUE DATE	: JUNE 18, 2025
SAMPLING METHOD	: GRAB	REPORT NO.	: 2025-U054241
SAMPLING BY	: MR MANIT PANCHOT	WORK NO.	: 2024-011490
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	ANALYSIS NO.	: T25AM153-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			น้ำเสียก่อนเข้าระบบบำบัด T25AM153-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	5.2 (59.1°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	19,920	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	55,807	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	41,840	5.0
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			BROWN/TURBID	
SEDIMENT			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.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: JUNE 6, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: JUNE 6-13, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envj_psc@pscstarch.com	ISSUE DATE	: JUNE 18, 2025
SAMPLING SOURCE	: -	REPORT NO.	: 2025-U054242
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2024-011490
SAMPLING DATE	: JUNE 6, 2025	ANALYSIS NO.	: T25AM153-0002
SAMPLING TIME	: 09:55 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR MANIT PANCHOT		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXDATION POND T25AM153-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (30.8°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	3.6	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	34.8	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	10.5	≤ 50	5.0
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.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017.

Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



ภาคผนวก ค5

ใบรายงานผลการติดตามตรวจสอบ
ระดับเสียงในบรรยากาศโดยทั่วไป

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: APRIL 24-27, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: APRIL 24-27, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 14, 2025
MEASURING SOURCE	: โรงเรียนหนองใหญ่ศิริราชวิทยาลัย	REPORT NO.	: 2025-U041295
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-011490
MEASURING DATE	: APRIL 24-27, 2025	ANALYSIS NO.	: T25AJ664-0001 - T25AJ664-0003
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER **		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME*	RESULT dB(A)		
	โรงเรียนหนองใหญ่ศิริราชวิทยาลัย		
	APRIL 24-25, 2025		
	T25AJ664-0001		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	43.1	61.3	38.7
08:00-09:00 HOUR	49.4	79.2	40.3
09:00-10:00 HOUR	51.2	67.3	44.9
10:00-11:00 HOUR	46.9	62.1	45.0
11:00-12:00 HOUR	48.7	71.2	44.0
12:00-13:00 HOUR	52.1	77.6	44.9
13:00-14:00 HOUR	48.9	71.2	43.8
14:00-15:00 HOUR	68.3	94.9	61.6
15:00-16:00 HOUR	55.0	86.9	44.7
16:00-17:00 HOUR	45.4	63.4	39.9
17:00-18:00 HOUR	48.0	67.4	39.2
18:00-19:00 HOUR	42.4	59.3	38.4
19:00-20:00 HOUR	45.7	60.7	44.2
20:00-21:00 HOUR	43.3	46.8	41.8
21:00-22:00 HOUR	43.0	51.4	41.6
22:00-23:00 HOUR	43.6	47.1	42.2
23:00-00:00 HOUR	44.3	49.2	42.9
00:00-01:00 HOUR	44.4	58.2	42.2
01:00-02:00 HOUR	40.7	46.3	39.3
02:00-03:00 HOUR	46.4	52.1	38.4
03:00-04:00 HOUR	38.4	42.2	37.4
04:00-05:00 HOUR	39.9	48.0	38.5
05:00-06:00 HOUR	54.3	64.4	41.5
06:00-07:00 HOUR	43.8	66.3	39.1
L_{Aeq} 24 hours		55.4	



TIME*	RESULT dB(A)		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	APRIL 25-26, 2025		
	T25AJ664-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	45.3	66.2	39.9
08:00-09:00 HOUR	51.1	68.6	42.5
09:00-10:00 HOUR	52.7	75.9	43.6
10:00-11:00 HOUR	49.4	71.7	43.0
11:00-12:00 HOUR	47.9	74.0	40.4
12:00-13:00 HOUR	44.3	60.8	39.9
13:00-14:00 HOUR	46.6	63.6	43.2
14:00-15:00 HOUR	52.0	70.7	44.3
15:00-16:00 HOUR	67.6	105.0	52.0
16:00-17:00 HOUR	43.6	61.8	40.7
17:00-18:00 HOUR	41.7	61.3	38.9
18:00-19:00 HOUR	40.2	61.3	36.9
19:00-20:00 HOUR	42.9	46.3	39.2
20:00-21:00 HOUR	41.0	53.1	37.6
21:00-22:00 HOUR	39.3	45.1	36.3
22:00-23:00 HOUR	39.2	47.4	35.8
23:00-00:00 HOUR	42.1	46.1	36.4
00:00-01:00 HOUR	36.1	50.0	34.5
01:00-02:00 HOUR	40.8	49.6	34.3
02:00-03:00 HOUR	34.9	46.7	33.7
03:00-04:00 HOUR	34.7	48.0	33.2
04:00-05:00 HOUR	40.3	50.2	34.8
05:00-06:00 HOUR	48.3	63.4	38.4
06:00-07:00 HOUR	42.6	65.4	40.3
L _{Aeq} 24 hours		54.5	

TIME*	RESULT dB(A)		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	APRIL 26-27, 2025		
	T25AJ664-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	39.7	62.0	34.1
08:00-09:00 HOUR	44.3	62.7	38.1
09:00-10:00 HOUR	47.5	71.7	44.9
10:00-11:00 HOUR	47.8	66.3	44.7
11:00-12:00 HOUR	46.0	62.6	44.0
12:00-13:00 HOUR	47.3	62.4	45.6
13:00-14:00 HOUR	48.1	61.9	46.3
14:00-15:00 HOUR	51.1	61.3	46.9
15:00-16:00 HOUR	48.7	65.2	46.8
16:00-17:00 HOUR	48.0	62.5	46.0
17:00-18:00 HOUR	48.6	69.5	45.7
18:00-19:00 HOUR	54.6	76.1	46.2
19:00-20:00 HOUR	49.0	64.8	46.7
20:00-21:00 HOUR	46.0	63.3	44.5
21:00-22:00 HOUR	45.7	56.5	43.6
22:00-23:00 HOUR	47.5	56.2	43.3
23:00-00:00 HOUR	43.0	47.2	41.0
00:00-01:00 HOUR	41.4	45.5	40.5
01:00-02:00 HOUR	39.3	43.8	38.3
02:00-03:00 HOUR	38.7	47.5	37.9
03:00-04:00 HOUR	39.4	45.8	37.9
04:00-05:00 HOUR	42.8	60.2	38.6
05:00-06:00 HOUR	44.7	59.4	39.8
06:00-07:00 HOUR	45.8	67.9	41.7
L_{Aeq} 24 hours	47.3		

REMARK : ** ISO 1996-1:2016

** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, 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. 2553, DATED DECEMBER 20, B.E. 2553

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: APRIL 24-27, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: APRIL 24-27, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 14, 2025
MEASURING SOURCE	: วัดหนองใหญ่ศิริธรรม	REPORT NO.	: 2025-U041300
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-011490
MEASURING DATE	: APRIL 24-27, 2025	ANALYSIS NO.	: T25AJ664-0004 - T25AJ664-0006
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER **		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME*	RESULT dB(A)		
	วัดหนองใหญ่ศิริธรรม		
	APRIL 24-25, 2025		
	T25AJ664-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.1	74.3	53.6
08:00-09:00 HOUR	56.1	76.7	53.0
09:00-10:00 HOUR	58.1	75.8	53.6
10:00-11:00 HOUR	55.3	75.2	53.6
11:00-12:00 HOUR	54.3	73.1	52.4
12:00-13:00 HOUR	55.1	69.3	53.0
13:00-14:00 HOUR	55.3	74.3	52.6
14:00-15:00 HOUR	62.6	80.7	54.4
15:00-16:00 HOUR	66.9	90.9	66.7
16:00-17:00 HOUR	56.8	74.7	53.2
17:00-18:00 HOUR	58.3	77.7	55.9
18:00-19:00 HOUR	60.5	81.8	57.0
19:00-20:00 HOUR	57.8	72.5	53.5
20:00-21:00 HOUR	64.5	97.1	51.0
21:00-22:00 HOUR	52.1	70.4	49.5
22:00-23:00 HOUR	50.3	69.7	48.6
23:00-00:00 HOUR	49.4	69.0	48.2
00:00-01:00 HOUR	49.6	64.9	47.9
01:00-02:00 HOUR	49.4	67.6	48.1
02:00-03:00 HOUR	49.9	69.2	48.2
03:00-04:00 HOUR	48.9	64.8	48.0
04:00-05:00 HOUR	49.3	64.3	48.3
05:00-06:00 HOUR	51.2	61.9	49.5
06:00-07:00 HOUR	55.5	72.2	53.6
L_{Aeq} 24 hours		58.4	



TIME*	RESULT dB(A)		
	วัดหนองใหญ่ศิริธรรม		
	APRIL 25-26, 2025		
	T25AJ664-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.2	75.4	53.0
08:00-09:00 HOUR	59.9	81.6	53.2
09:00-10:00 HOUR	55.6	76.0	54.0
10:00-11:00 HOUR	54.2	70.9	52.3
11:00-12:00 HOUR	57.2	70.3	55.2
12:00-13:00 HOUR	56.6	74.7	53.2
13:00-14:00 HOUR	55.9	72.2	52.9
14:00-15:00 HOUR	61.1	77.2	56.7
15:00-16:00 HOUR	58.5	74.7	54.8
16:00-17:00 HOUR	58.1	75.8	55.6
17:00-18:00 HOUR	57.0	75.8	54.0
18:00-19:00 HOUR	59.6	80.9	54.0
19:00-20:00 HOUR	57.3	71.3	54.3
20:00-21:00 HOUR	53.1	70.5	51.4
21:00-22:00 HOUR	56.1	70.0	55.5
22:00-23:00 HOUR	58.5	73.6	58.0
23:00-00:00 HOUR	58.0	70.5	57.7
00:00-01:00 HOUR	52.5	61.3	51.1
01:00-02:00 HOUR	49.5	62.8	49.0
02:00-03:00 HOUR	51.7	67.9	49.5
03:00-04:00 HOUR	49.9	66.8	48.1
04:00-05:00 HOUR	49.9	68.2	48.8
05:00-06:00 HOUR	53.8	64.2	52.9
06:00-07:00 HOUR	56.6	76.4	53.6
L_{Aeq} 24 hours		56.7	

TIME*	RESULT dB(A)		
	วัดหนองใหญ่ศิริธรรม		
	APRIL 26-27, 2025		
	T25AJ664-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.0	77.9	52.9
08:00-09:00 HOUR	56.3	70.0	54.0
09:00-10:00 HOUR	55.0	74.4	53.1
10:00-11:00 HOUR	54.3	75.3	52.5
11:00-12:00 HOUR	55.9	70.9	53.6
12:00-13:00 HOUR	56.0	76.5	52.9
13:00-14:00 HOUR	54.7	73.6	52.1
14:00-15:00 HOUR	53.8	72.8	51.4
15:00-16:00 HOUR	57.5	74.9	54.3
16:00-17:00 HOUR	55.1	71.7	53.0
17:00-18:00 HOUR	58.6	76.8	57.5
18:00-19:00 HOUR	61.7	80.7	58.6
19:00-20:00 HOUR	57.1	71.0	54.0
20:00-21:00 HOUR	53.3	73.2	50.1
21:00-22:00 HOUR	50.0	63.3	48.5
22:00-23:00 HOUR	51.0	69.2	48.6
23:00-00:00 HOUR	48.7	59.5	47.5
00:00-01:00 HOUR	47.4	62.8	46.7
01:00-02:00 HOUR	49.3	70.2	46.4
02:00-03:00 HOUR	46.7	62.3	46.2
03:00-04:00 HOUR	47.2	73.0	46.2
04:00-05:00 HOUR	47.7	59.4	46.6
05:00-06:00 HOUR	51.5	65.8	49.9
06:00-07:00 HOUR	52.5	63.1	51.2
L_{Aeq} 24 hours		55.0	

REMARK : ** ISO 1996-1:2016

** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, 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. 2553, DATED DECEMBER 20, B.E. 2553

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: APRIL 24-27, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: APRIL 24-27, 2025
CONTACT INFORMATION	: TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: MAY 14, 2025
MEASURING SOURCE	: พื้นที่โครงการ	REPORT NO.	: 2025-U041305
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-011490
MEASURING DATE	: APRIL 24-27, 2025	ANALYSIS NO.	: T25AJ664-0007 - T25AJ664-0009
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER **		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME*	RESULT dB(A)		
	พื้นที่โครงการ		
	APRIL 24-25, 2025		
	T25AJ664-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	63.1	74.8	62.6
08:00-09:00 HOUR	62.5	69.8	61.7
09:00-10:00 HOUR	64.6	69.7	63.6
10:00-11:00 HOUR	65.4	77.9	64.9
11:00-12:00 HOUR	61.7	75.0	61.2
12:00-13:00 HOUR	62.1	69.2	60.9
13:00-14:00 HOUR	61.0	70.0	59.8
14:00-15:00 HOUR	67.7	88.2	61.7
15:00-16:00 HOUR	62.0	72.5	61.0
16:00-17:00 HOUR	61.4	70.0	60.8
17:00-18:00 HOUR	62.1	74.8	61.2
18:00-19:00 HOUR	62.7	66.6	62.1
19:00-20:00 HOUR	60.8	65.4	60.4
20:00-21:00 HOUR	61.7	70.1	60.6
21:00-22:00 HOUR	62.8	67.5	62.0
22:00-23:00 HOUR	63.0	71.8	62.5
23:00-00:00 HOUR	62.3	66.4	60.4
00:00-01:00 HOUR	61.8	68.2	60.3
01:00-02:00 HOUR	59.5	73.7	58.9
02:00-03:00 HOUR	59.5	66.0	59.1
03:00-04:00 HOUR	61.2	62.9	60.8
04:00-05:00 HOUR	61.1	66.7	60.6
05:00-06:00 HOUR	61.9	66.9	61.5
06:00-07:00 HOUR	62.0	71.7	61.5
L_{Aeq} 24 hours		62.7	



TIME*	RESULT dB(A)		
	พื้นที่โครงการ		
	APRIL 25-26, 2025		
	T25AJ664-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.6	66.9	61.0
08:00-09:00 HOUR	63.0	71.7	62.1
09:00-10:00 HOUR	63.6	69.5	63.0
10:00-11:00 HOUR	65.5	71.8	64.2
11:00-12:00 HOUR	66.6	73.9	65.5
12:00-13:00 HOUR	64.6	72.2	63.5
13:00-14:00 HOUR	62.9	73.7	62.4
14:00-15:00 HOUR	62.3	79.6	61.7
15:00-16:00 HOUR	67.2	83.8	65.4
16:00-17:00 HOUR	64.3	68.9	63.8
17:00-18:00 HOUR	63.3	76.3	62.4
18:00-19:00 HOUR	66.6	73.1	64.9
19:00-20:00 HOUR	64.3	67.0	63.9
20:00-21:00 HOUR	62.7	69.2	62.1
21:00-22:00 HOUR	63.1	66.5	62.5
22:00-23:00 HOUR	63.6	72.3	63.0
23:00-00:00 HOUR	63.5	68.1	63.0
00:00-01:00 HOUR	63.6	67.3	62.9
01:00-02:00 HOUR	63.1	66.4	62.7
02:00-03:00 HOUR	62.3	70.7	61.7
03:00-04:00 HOUR	61.5	71.5	61.0
04:00-05:00 HOUR	63.1	66.2	62.7
05:00-06:00 HOUR	63.3	73.3	62.7
06:00-07:00 HOUR	64.1	73.2	63.5
L _{Aeq} 24 hours		64.0	

TIME*	RESULT dB(A)		
	พื้นที่โครงการ		
	APRIL 26-27, 2025		
	T25AJ664-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	63.8	69.0	63.2
08:00-09:00 HOUR	64.6	76.9	63.4
09:00-10:00 HOUR	65.4	81.8	64.7
10:00-11:00 HOUR	66.4	69.2	65.0
11:00-12:00 HOUR	67.2	80.6	65.4
12:00-13:00 HOUR	66.9	70.9	65.1
13:00-14:00 HOUR	63.4	68.4	62.2
14:00-15:00 HOUR	62.1	69.2	61.4
15:00-16:00 HOUR	62.0	68.3	61.2
16:00-17:00 HOUR	61.8	67.4	61.2
17:00-18:00 HOUR	63.5	74.2	62.6
18:00-19:00 HOUR	64.6	67.0	63.7
19:00-20:00 HOUR	63.2	68.6	62.6
20:00-21:00 HOUR	62.8	69.2	62.2
21:00-22:00 HOUR	63.8	68.6	63.0
22:00-23:00 HOUR	63.3	66.7	62.9
23:00-00:00 HOUR	63.5	68.2	63.0
00:00-01:00 HOUR	65.4	68.1	63.2
01:00-02:00 HOUR	64.2	71.9	63.8
02:00-03:00 HOUR	62.9	72.2	61.8
03:00-04:00 HOUR	62.6	66.3	62.2
04:00-05:00 HOUR	61.6	65.8	61.1
05:00-06:00 HOUR	61.7	66.2	61.1
06:00-07:00 HOUR	61.5	66.4	60.9
L _{Aeq} 24 hours		64.0	

REMARK : ** ISO 1996-1:2016

** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, 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. 2553, DATED DECEMBER 20, B.E. 2553

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ภาคผนวก ค6
ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศในสถานประกอบการ

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : บริเวณโรงบด/โม่แป้งสำหรับผลิต
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : MARCH 24, 2025
SAMPLING TIME : 09:01-17:01 HOUR
SAMPLING BY : MISS PIYANATCHAYA SAMPAOPHONG
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 31, 2025
ANALYTICAL DATE : MARCH 31 - APRIL 11, 2025
ISSUE DATE : APRIL 21, 2025
REPORT NO. : 2025-U033350
WORK NO. : 2024-011490
ANALYSIS NO. : T25AG897-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณโรงบด/โม่แป้งสำหรับผลิต T25AG897-0002
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	4.41
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.155
ETHANOL ^c	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	0.243
SAMPLE CONDITION			COMPLETE

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

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

REMARK

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : อาคารหมัก
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : MARCH 24, 2025
SAMPLING TIME : 09:07-17:07 HOUR
SAMPLING BY : MISS PIYANATCHAYA SAMPAOPHONG
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 31, 2025
ANALYTICAL DATE : MARCH 31 - APRIL 11, 2025
ISSUE DATE : APRIL 21, 2025
REPORT NO. : 2025-U033351
WORK NO. : 2024-011490
ANALYSIS NO. : T25AG897-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			อาคารหมัก T25AG897-0003
TOTAL DUST ^c	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.159
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.046
ETHANOL ^c	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	1.05
SAMPLE CONDITION			COMPLETE

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

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

REMARK

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAJ)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : อาคารจ่ายผลิตภัณฑ์ (LOADING STATION)
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : MARCH 24, 2025
SAMPLING TIME : 09:13-17:13 HOUR
SAMPLING BY : MISS PIYANATCHAYA SAMPAOPHONG
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : MARCH 31, 2025
ANALYTICAL DATE : MARCH 31 - APRIL 11, 2025
ISSUE DATE : APRIL 21, 2025
REPORT NO. : 2025-U033352
WORK NO. : 2024-011490
ANALYSIS NO. : T25AG897-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			อาคารจ่ายผลิตภัณฑ์ (LOADING STATION) T25AG897-0004
TOTAL DUST ^c	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	< 0.060
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.049
ETHANOL ^c	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	2.01
SAMPLE CONDITION			COMPLETE

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

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

REMARK

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : โรงกลั่นเอทานอล
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : MARCH 24, 2025
SAMPLING TIME : 09:30-09:50 HOUR
SAMPLING BY : MISS PIYANATCHAYA SAMPAOPHONG
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : MARCH 31, 2025
ANALYTICAL DATE : MARCH 31 - APRIL 8, 2025
ISSUE DATE : APRIL 21, 2025
REPORT NO. : 2025-U033353
WORK NO. : 2024-011490
ANALYSIS NO. : T25AG897-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			โรงกลั่นเอทานอล T25AG897-0005
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	0.164
SAMPLE CONDITION			COMPLETE

REMARK

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (AIR) **RECEIVED DATE** : MARCH 24, 2025
MEASURING DATE : MARCH 24, 2025 **ANALYTICAL DATE** : MARCH 24, 2025
MEASURING TIME : * **ISSUE DATE** : APRIL 4, 2025
MEASURING EQUIPMENT : TVOC ANALYZER **REPORT NO.** : 2025-U028962
SAMPLING BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-011490
ANALYZED BY : MISS PIYANATCHAYA SAMPAOPHONG **ANALYSIS NO.** : T25AG897-0002 - T25AG897-0004

ANALYSIS NO.	MEASURING SITE	TIME*	RESULT (ppm)
			TOTAL VOLATILE ORGANIC COMPOUNDS
T25AG897-0002	โรงบด/โม่วัตถุดิบ (เครื่องบดโม้มน้ำปะหลัง)	09:01-17:01 HOUR	0.1
T25AG897-0003	อาคารหมัก	09:07-17:07 HOUR	0.1
T25AG897-0004	อาคารจ่ายผลิตภัณฑ์ (LOADING STATION)	09:13-17:13 HOUR	0.1

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ภาคผนวก ค7

ใบรายงานผลการติดตามตรวจสอบ
ระดับเสียงในสถานประกอบการ

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (NOISE) **RECEIVED DATE** : MARCH 24, 2025
MEASURING DATE : MARCH 24, 2025 **ANALYTICAL DATE** : MARCH 24, 2025
MEASURING TIME : * **ISSUE DATE** : JULY 3, 2025
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER ** **REPORT NO.** : 2025-U060389
MEASURED BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-011490
ANALYSIS NO. : T25AG890-0001 - T25AG890-0002

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT (dB(A))	
			L _{Aeq} 8 hours	L _{Amax} 8 hours
T25AG890-0001	โรงบด/โม่วัตถุดิบ (เครื่องบดโม่แป้งสาลี)	09:00-17:00	84.2	94.8
T25AG890-0002	BOILER	09:18-17:18	73.5	94.1

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED		
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190		
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com		
MEASURING PLACE	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED		
MEASURING TYPE	: WORKPLACE (NOISE)	RECEIVED DATE	: MARCH 24-25, 2025
MEASURING DATE	: MARCH 24-25, 2025	ANALYTICAL DATE	: MARCH 24-25, 2025
MEASURING TIME	: *	ISSUE DATE	: APRIL 4, 2025
MEASURING EQUIPMENT	: INTEGRATED SOUND LEVEL METER	REPORT NO.	: 2025-U029017
MEASURED BY	: MISS PIYANATCHAYA SAMPAOPHONG	WORK NO.	: 2024-011490
		ANALYSIS NO.	: T25AG890-0001

TIME*	RESULT (dB(A))		
	โรงบด/โม่วัตถุดิบ (เครื่องบดโม่แป้งสาลีหลัง)		
	MARCH 24-25, 2025		
	T25AG890-0001		
	LAeq 1 hours	LAmx 1 hours	LAeq 8 hours
09:00-10:00 HOUR	83.5	92.2	-
10:00-11:00 HOUR	84.4	87.6	-
11:00-12:00 HOUR	84.4	90.3	-
12:00-13:00 HOUR	84.2	86.6	-
13:00-14:00 HOUR	84.5	94.8	-
14:00-15:00 HOUR	84.1	88.2	-
15:00-16:00 HOUR	84.3	89.8	-
16:00-17:00 HOUR	84.0	90.0	84.2
17:00-18:00 HOUR	83.8	87.9	-
18:00-19:00 HOUR	84.1	86.8	-
19:00-20:00 HOUR	84.1	87.5	-
20:00-21:00 HOUR	84.2	91.6	-
21:00-22:00 HOUR	84.5	86.9	-
22:00-23:00 HOUR	84.5	88.7	-
23:00-00:00 HOUR	83.9	86.3	-
00:00-01:00 HOUR	84.0	86.1	84.1
01:00-02:00 HOUR	83.8	92.5	-
02:00-03:00 HOUR	84.7	87.9	-
03:00-04:00 HOUR	84.7	90.6	-
04:00-05:00 HOUR	84.5	86.9	-
05:00-06:00 HOUR	84.8	95.1	-
06:00-07:00 HOUR	84.4	88.5	-
07:00-08:00 HOUR	84.6	90.1	-
08:00-09:00 HOUR	84.3	90.3	84.5
LAeq 24 hours	84.3		



REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat

(MR NATTAWAT DANGSAWAT)

LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	RECEIVED DATE	: MARCH 24-25, 2025
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: MARCH 24-25, 2025
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: APRIL 4, 2025
MEASURING PLACE	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	REPORT NO.	: 2025-U029018
MEASURING TYPE	: WORKPLACE (NOISE)	WORK NO.	: 2024-011490
MEASURING DATE	: MARCH 24-25, 2025	ANALYSIS NO.	: T25AG890-0002
MEASURING TIME	: *		
MEASURING EQUIPMENT	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MISS PIYANATCHAYA SAMPAOPHONG		

TIME*	RESULT (dB(A))		
	BOILER		
	MARCH 24-25, 2025		
	T25AG890-0002		
	LAeq 1 hours	LAmx 1 hours	LAeq 8 hours
09:18-10:18 HOUR	73.4	82.8	-
10:18-11:18 HOUR	74.0	85.6	-
11:18-12:18 HOUR	72.3	88.6	-
12:18-13:18 HOUR	72.9	83.4	-
13:18-14:18 HOUR	72.2	79.5	-
14:18-15:18 HOUR	75.1	94.1	-
15:18-16:18 HOUR	74.2	89.2	-
16:18-17:18 HOUR	73.1	89.1	73.5
17:18-18:18 HOUR	73.2	81.8	-
18:18-19:18 HOUR	75.1	84.4	-
19:18-20:18 HOUR	73.1	81.0	-
20:18-21:18 HOUR	73.2	82.5	-
21:18-22:18 HOUR	72.3	80.7	-
22:18-23:18 HOUR	72.7	83.8	-
23:18-00:18 HOUR	73.0	82.4	-
00:18-01:18 HOUR	73.6	85.2	73.4
01:18-02:18 HOUR	71.9	88.2	-
02:18-03:18 HOUR	72.5	83.0	-
03:18-04:18 HOUR	71.8	79.1	-
04:18-05:18 HOUR	74.7	93.7	-
05:18-06:18 HOUR	73.8	88.8	-
06:18-07:18 HOUR	72.7	88.7	-
07:18-08:18 HOUR	72.8	81.4	-
08:18-09:18 HOUR	74.7	84.0	73.3
LAeq 24 hours	73.4		



REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat

(MR NATTAWAT DANGSAWAT)

LABORATORY SUPERVISOR

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ใบรายงานผลการติดตามตรวจสอบ

ความร้อนในสถานประกอบการ

ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (HEAT STRESS) **RECEIVED DATE** : MARCH 24, 2025
MEASURING DATE : MARCH 24, 2025 **ANALYTICAL DATE** : MARCH 24, 2025
MEASURING TIME : * **ISSUE DATE** : APRIL 4, 2025
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE** **REPORT NO.** : 2025-U028976
MEASURED BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-011490
ANALYSIS NO. : T25AG895-0001, T25AG895-0003, T25AG895-0005

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB ^c	DB ^c	GT ^c	WBGT ^a	WBGT ^c _{AVG}
T25AG895-0001	โรงบด/ไม่วัตถุดิบ (คุณคณินฐา ศรีเมือง)	10:00-12:00 HOUR	27.0	33.3	33.7	29.0	29.0
T25AG895-0003	อาคารหมัก (คุณเสาวนีย์ อรุณพา)	10:05-11:05 HOUR	26.5	31.7	32.2	28.2	27.2
		11:05-12:05 HOUR	24.3	30.2	30.5	26.2	
T25AG895-0005	อาคารจ่ายผลิตภัณฑ์ (คุณแสงัด ศรียานล้ำ)	10:00-11:40 HOUR	27.2	32.8	33.2	29.0	28.6
		11:40-12:00 HOUR	24.3	31.1	33.1	26.9	

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

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

** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).

** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : P.S.C. STARCH PRODUCTS PLC. (ETHANOL)
ADDRESS : 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190
CONTACT INFORMATION : TEL : 06 2665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (HEAT STRESS) **RECEIVED DATE** : MARCH 25, 2025
MEASURING DATE : MARCH 25, 2025 **ANALYTICAL DATE** : MARCH 25, 2025
MEASURING TIME : * **ISSUE DATE** : APRIL 4, 2025
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE** **REPORT NO.** : 2025-U028978
MEASURED BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-011490
ANALYSIS NO. : T25AG895-0002, T25AG895-0004

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB ^c	DB ^c	GT ^c	WBGT ^a	WBGT ^c AVG
T25AG895-0002	หม้อต้ม (คุณวัชร ใหม่อินทร์)	10:05-11:05 HOUR	27.2	31.7	32.7	28.8	27.6
		11:05-12:05 HOUR	24.4	29.9	31.0	26.3	
T25AG895-0004	โรงกลั่นและแยกน้ำ (คุณเชนภิต สุริยศ)	10:10-11:10 HOUR	26.5	31.0	31.9	28.1	27.3
		11:10-12:10 HOUR	24.4	30.0	31.0	26.4	

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

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