

ภาคผนวก ค1
ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศจากปล่องระบาย



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 : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : NOVEMBER 13, 2024
SAMPLING TIME : 10:00-10:42 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI จ-145-จ-0054
ANALYZED BY : MISS SUWAN KONGTHONG จ-145-ค-0025

RECEIVED DATE : NOVEMBER 16, 2024
ANALYTICAL DATE : NOVEMBER 16-22, 2024
ISSUE DATE : NOVEMBER 25, 2024
REPORT NO. : 2024-U110228
WORK NO. : 2024-000154
ANALYSIS NO. : T24BA971-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			เตาจีน NO.2 T24BA971-0001	
			ACTUAL OXYGEN	7% OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	82.1	126
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 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
MEASURING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : STACK
MEASURING DATE : NOVEMBER 13, 2024
MEASURING TIME : 10:10-10:20 HOUR
MEASURING METHOD : U.S. EPA METHOD 6C, 7E
MEASURED BY : MR AKAWUT SANOEJAI จ-145-จ-0054

RECEIVED DATE : NOVEMBER 13, 2024
ANALYTICAL DATE : NOVEMBER 13, 2024
ISSUE DATE : NOVEMBER 25, 2024
REPORT NO. : 2024-U110229
WORK NO. : 2024-000154
ANALYSIS NO. : T24BA971-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			เตาจีน NO.2 T24BA971-0001	
			ACTUAL OXYGEN	7% OXYGEN
SULPHUR DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 6C)	< 1	< 1
NITROGEN DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 7E)	73	112
SAMPLE CONDITION			COMPLETE	

REMARK

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

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
จ-145-ด-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 : 062 665 7691 e-mail : envi_psc@psctarch.com

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

SAMPLE TYPE : STACK

SAMPLING DATE : NOVEMBER 14, 2024

SAMPLING TIME : 10:00-10:48 HOUR

SAMPLING BY : MR AKAWUT SANOEJAI จ-145-จ-0054

ANALYZED BY : MISS SUWAN KONGTHONG จ-145-ค-0025

RECEIVED DATE : NOVEMBER 16, 2024

ANALYTICAL DATE : NOVEMBER 16-29, 2024

ISSUE DATE : DECEMBER 2, 2024

REPORT NO. : 2024-U112644

WORK NO. : 2024-003667

ANALYSIS NO. : T24BA973-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			BAG FILTER NO.1 โรงมันเส้น
			T24BA973-0001
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	28.8
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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : NOVEMBER 14, 2024
SAMPLING TIME : 11:00-11:48 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI จ-145-จ-0054
ANALYZED BY : MISS SUWAN KONGTHONG จ-145-ค-0025

RECEIVED DATE : NOVEMBER 16, 2024
ANALYTICAL DATE : NOVEMBER 16-29, 2024
ISSUE DATE : DECEMBER 2, 2024
REPORT NO. : 2024-U112645
WORK NO. : 2024-003667
ANALYSIS NO. : T24BA973-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			BAG FILTER NO.2 โรงมันเส้น
			T24BA973-0002
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	ACTUAL OXYGEN
			5.14
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	RECEIVED DATE	: NOVEMBER 16, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 16-29, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: DECEMBER 2, 2024
SAMPLING SOURCE	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	REPORT NO.	: 2024-U112646
SAMPLE TYPE	: STACK	WORK NO.	: 2024-003667
SAMPLING DATE	: NOVEMBER 15, 2024	ANALYSIS NO.	: T24BA973-0003
SAMPLING TIME	: 09:40-10:25 HOUR		
SAMPLING BY	: MR AKAWUT SANOEJAI		
ANALYZED BY	: MISS WORAKON PADSONGCHAN		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			SCRUBBER ถังหมัก NO.1
			T24BA973-0003
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	2,228
ISOPROPYL ALCOHOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	< 0.010
BUTYL ALCOHOL	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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : NOVEMBER 15, 2024
SAMPLING TIME : 10:40-11:25 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : NOVEMBER 16, 2024
ANALYTICAL DATE : NOVEMBER 16-29, 2024
ISSUE DATE : DECEMBER 2, 2024
REPORT NO. : 2024-U112647
WORK NO. : 2024-003667
ANALYSIS NO. : T24BA973-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			SCRUBBER ถังหมัก NO.2
			T24BA973-0004
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	0.520
ISOPROPYL ALCOHOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	< 0.010
BUTYL ALCOHOL	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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
SAMPLE TYPE : STACK
SAMPLING DATE : NOVEMBER 15, 2024
SAMPLING TIME : 13:40-13:55 HOUR
SAMPLING BY : MR AKAWUT SANOEJAI
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : NOVEMBER 16, 2024
ANALYTICAL DATE : NOVEMBER 16-29, 2024
ISSUE DATE : DECEMBER 2, 2024
REPORT NO. : 2024-U112648
WORK NO. : 2024-003667
ANALYSIS NO. : T24BA973-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			หอกกลิ่นชั้น 6
			T24BA973-0005
FORMALDEHYDE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 2541)	ACTUAL OXYGEN
			1.86
SAMPLE CONDITION			COMPLETE

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

Budsakorn ✓
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(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : กลุ่มถั่วบริเวณลานถั่ว
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 11, 2024
SAMPLING TIME : 09:16-09:36 HOUR
SAMPLING BY : MR PHUWADOL PENGMA
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : NOVEMBER 18, 2024
ANALYTICAL DATE : NOVEMBER 18-29, 2024
ISSUE DATE : DECEMBER 3, 2024
REPORT NO. : 2024-U113197
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB046-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			กลุ่มถั่วบริเวณลานถั่ว T24BB046-0001
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	4.89
SAMPLE CONDITION			COMPLETE

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

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ภาคผนวก ค3
ใบรายงานผลการติดตามตรวจสอบ
คุณภาพอากาศในบรรยากาศโดยทั่วไป



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
SAMPLING SOURCE : โรงเรียนหนองใหญ่ศิริวรารัตวิทยา
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 21, 2024
ANALYTICAL DATE : NOVEMBER 21-26, 2024
ISSUE DATE : NOVEMBER 29, 2024
REPORT NO. : 2024-U112221
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0001 - T24BB386-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			โรงเรียนหนองใหญ่ศิริวรารัตวิทยา		
			* T24BB386-0001	** T24BB386-0002	*** T24BB386-0003
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.062	0.074	0.076
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.037	0.032	0.042
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : 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.
* : SAMPLING FROM 11:00 HOUR ON NOVEMBER 12, 2024 TO 11:00 HOUR ON NOVEMBER 13, 2024.
** : SAMPLING FROM 11:00 HOUR ON NOVEMBER 13, 2024 TO 11:00 HOUR ON NOVEMBER 14, 2024.
*** : SAMPLING FROM 11:00 HOUR ON NOVEMBER 14, 2024 TO 11:00 HOUR ON NOVEMBER 15, 2024.

(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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : โรงเรียนหนองใหญ่ศิริราชวิทยายา
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * ** *** ****
SAMPLING TIME : * ** *** ****
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 21, 2024
ANALYTICAL DATE : NOVEMBER 21-26, 2024
ISSUE DATE : NOVEMBER 29, 2024
REPORT NO. : 2024-U112222
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0004 - T24BB386-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			โรงเรียนหนองใหญ่ศิริราชวิทยายา			
			* T24BB386-0004	** T24BB386-0005	*** T24BB386-0006	**** T24BB386-0007
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.071	0.054	0.050	0.065
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.044	0.031	0.025	0.034
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : 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.
* : SAMPLING FROM 11:00 HOUR ON NOVEMBER 15, 2024 TO 11:00 HOUR ON NOVEMBER 16, 2024.
** : SAMPLING FROM 11:00 HOUR ON NOVEMBER 16, 2024 TO 11:00 HOUR ON NOVEMBER 17, 2024.
*** : SAMPLING FROM 11:00 HOUR ON NOVEMBER 17, 2024 TO 11:00 HOUR ON NOVEMBER 18, 2024.
**** : SAMPLING FROM 11:00 HOUR ON NOVEMBER 18, 2024 TO 11:00 HOUR ON NOVEMBER 19, 2024.

(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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : วัดหนองใหญ่ศิริธรรม
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 21, 2024
ANALYTICAL DATE : NOVEMBER 21-26, 2024
ISSUE DATE : NOVEMBER 29, 2024
REPORT NO. : 2024-U112223
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0008 - T24BB386-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			วัดหนองใหญ่ศิริธรรม		
			* T24BB386-0008	** T24BB386-0009	*** T24BB386-0010
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.056	0.045	0.049
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.046	0.034	0.031
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : 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.
* : SAMPLING FROM 11:30 HOUR ON NOVEMBER 12, 2024 TO 11:30 HOUR ON NOVEMBER 13, 2024.
** : SAMPLING FROM 11:30 HOUR ON NOVEMBER 13, 2024 TO 11:30 HOUR ON NOVEMBER 14, 2024.
*** : SAMPLING FROM 11:30 HOUR ON NOVEMBER 14, 2024 TO 11:30 HOUR ON NOVEMBER 15, 2024.

(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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : วัดหนองใหญ่ศิริธรรม
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * ** *** ****
SAMPLING TIME : * ** *** ****
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 21, 2024
ANALYTICAL DATE : NOVEMBER 21-26, 2024
ISSUE DATE : NOVEMBER 29, 2024
REPORT NO. : 2024-U112225
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0011 - T24BB386-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			วัดหนองใหญ่ศิริธรรม			
			* T24BB386-0011	** T24BB386-0012	*** T24BB386-0013	**** T24BB386-0014
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.036	0.045	0.039	0.043
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.025	0.030	0.029	0.030
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : 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.
* : SAMPLING FROM 11:30 HOUR ON NOVEMBER 15, 2024 TO 11:30 HOUR ON NOVEMBER 16, 2024.
** : SAMPLING FROM 11:30 HOUR ON NOVEMBER 16, 2024 TO 11:30 HOUR ON NOVEMBER 17, 2024.
*** : SAMPLING FROM 11:30 HOUR ON NOVEMBER 17, 2024 TO 11:30 HOUR ON NOVEMBER 18, 2024.
**** : SAMPLING FROM 11:30 HOUR ON NOVEMBER 18, 2024 TO 11:30 HOUR ON NOVEMBER 19, 2024.

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	RECEIVED DATE	: NOVEMBER 21, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 21-26, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: NOVEMBER 29, 2024
SAMPLING SOURCE	: พื้นที่โครงการ	REPORT NO.	: 2024-U112226
SAMPLE TYPE	: AMBIENT	WORK NO.	: 2024-000154
SAMPLING DATE	: *, **, ***	ANALYSIS NO.	: T24BB386-0015 - T24BB386-0017
SAMPLING TIME	: *, **, ***		
SAMPLING BY	: MR SAKSITHON NUMNIM		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			พื้นที่โครงการ		
			* T24BB386-0015	** T24BB386-0016	*** T24BB386-0017
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.160	0.144	0.145
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.068	0.054	0.054
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP : 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.

PM10 : 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.

* : SAMPLING FROM 12:00 HOUR ON NOVEMBER 12, 2024 TO 12:00 HOUR ON NOVEMBER 13, 2024.

** : SAMPLING FROM 12:00 HOUR ON NOVEMBER 13, 2024 TO 12:00 HOUR ON NOVEMBER 14, 2024.

*** : SAMPLING FROM 12:00 HOUR ON NOVEMBER 14, 2024 TO 12:00 HOUR ON NOVEMBER 15, 2024.

(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 : 062 665 7691 e-mail : envi_psc@psctarch.com
SAMPLING SOURCE : พื้นที่โครงการ
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * ** *** ****
SAMPLING TIME : * ** *** ****
SAMPLING BY : MR SAKSITHON NUMNIM
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 21, 2024
ANALYTICAL DATE : NOVEMBER 21-26, 2024
ISSUE DATE : NOVEMBER 29, 2024
REPORT NO. : 2024-U112227
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0018 - T24BB386-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			พื้นที่โครงการ			
			* T24BB386-0018	** T24BB386-0019	*** T24BB386-0020	**** T24BB386-0021
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.130	0.132	0.129	0.137
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.045	0.043	0.057	0.058
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : 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.
* : SAMPLING FROM 12:00 HOUR ON NOVEMBER 15, 2024 TO 12:00 HOUR ON NOVEMBER 16, 2024.
** : SAMPLING FROM 12:00 HOUR ON NOVEMBER 16, 2024 TO 12:00 HOUR ON NOVEMBER 17, 2024.
*** : SAMPLING FROM 12:00 HOUR ON NOVEMBER 17, 2024 TO 12:00 HOUR ON NOVEMBER 18, 2024.
**** : SAMPLING FROM 12:00 HOUR ON NOVEMBER 18, 2024 TO 12:00 HOUR ON NOVEMBER 19, 2024.

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(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 12-19, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 12-19, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING PLACE	: โรงเรียนหนองใหญ่ศิริราชวิทยาคม	REPORT NO.	: 2024-U110509
MEASURING TYPE	: AMBIENT (AIR)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 12-19, 2024	ANALYSIS NO.	: T24BB386-0001 - T24BB386-0007
MEASURING TIME	: *		
MEASURING METHOD	: CHEMILUMINESCENCE		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	NOVEMBER 12-13, 2024 T24BB386-0001	NOVEMBER 13-14, 2024 T24BB386-0002	NOVEMBER 14-15, 2024 T24BB386-0003
07:00-08:00 HOUR	0.0147	0.0198	0.0157
08:00-09:00 HOUR	0.0160	0.0235	0.0188
09:00-10:00 HOUR	0.0173	0.0238	0.0201
10:00-11:00 HOUR	0.0188	0.0260	0.0197
11:00-12:00 HOUR	0.0200	0.0262	0.0204
12:00-13:00 HOUR	0.0223	0.0248	0.0205
13:00-14:00 HOUR	0.0249	0.0222	0.0213
14:00-15:00 HOUR	0.0255	0.0190	0.0196
15:00-16:00 HOUR	0.0256	0.0188	0.0190
16:00-17:00 HOUR	0.0256	0.0173	0.0160
17:00-18:00 HOUR	0.0248	0.0160	0.0134
18:00-19:00 HOUR	0.0237	0.0151	0.0104
19:00-20:00 HOUR	0.0192	0.0141	0.0108
20:00-21:00 HOUR	0.0195	0.0161	0.0125
21:00-22:00 HOUR	0.0212	0.0181	0.0165
22:00-23:00 HOUR	0.0243	0.0205	0.0219
23:00-00:00 HOUR	0.0229	0.0194	0.0201
00:00-01:00 HOUR	0.0199	0.0168	0.0167
01:00-02:00 HOUR	0.0167	0.0135	0.0106
02:00-03:00 HOUR	0.0157	0.0113	0.0100
03:00-04:00 HOUR	0.0149	0.0109	0.0099
04:00-05:00 HOUR	0.0147	0.0111	0.0099
05:00-06:00 HOUR	0.0149	0.0123	0.0111
06:00-07:00 HOUR	0.0174	0.0128	0.0121



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม			
	NOVEMBER 15-16, 2024 T24BB386-0004	NOVEMBER 16-17, 2024 T24BB386-0005	NOVEMBER 17-18, 2024 T24BB386-0006	NOVEMBER 18-19, 2024 T24BB386-0007
07:00-08:00 HOUR	0.0175	0.0139	0.0190	0.0188
08:00-09:00 HOUR	0.0196	0.0153	0.0211	0.0240
09:00-10:00 HOUR	0.0211	0.0191	0.0221	0.0257
10:00-11:00 HOUR	0.0213	0.0183	0.0221	0.0251
11:00-12:00 HOUR	0.0237	0.0201	0.0216	0.0240
12:00-13:00 HOUR	0.0250	0.0187	0.0216	0.0217
13:00-14:00 HOUR	0.0247	0.0180	0.0203	0.0214
14:00-15:00 HOUR	0.0215	0.0170	0.0206	0.0213
15:00-16:00 HOUR	0.0198	0.0170	0.0198	0.0220
16:00-17:00 HOUR	0.0172	0.0167	0.0197	0.0221
17:00-18:00 HOUR	0.0177	0.0165	0.0184	0.0221
18:00-19:00 HOUR	0.0166	0.0159	0.0176	0.0216
19:00-20:00 HOUR	0.0146	0.0146	0.0154	0.0200
20:00-21:00 HOUR	0.0165	0.0173	0.0172	0.0186
21:00-22:00 HOUR	0.0187	0.0216	0.0203	0.0173
22:00-23:00 HOUR	0.0230	0.0260	0.0248	0.0175
23:00-00:00 HOUR	0.0223	0.0251	0.0236	0.0245
00:00-01:00 HOUR	0.0219	0.0229	0.0201	0.0200
01:00-02:00 HOUR	0.0172	0.0195	0.0139	0.0163
02:00-03:00 HOUR	0.0138	0.0169	0.0097	0.0124
03:00-04:00 HOUR	0.0117	0.0163	0.0085	0.0117
04:00-05:00 HOUR	0.0108	0.0148	0.0089	0.0107
05:00-06:00 HOUR	0.0099	0.0160	0.0099	0.0125
06:00-07:00 HOUR	0.0086	0.0154	0.0138	0.0130

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : วัดหนองใหญ่ศิริธรรม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 12-19, 2024
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : NOVEMBER 12-19, 2024
ANALYTICAL DATE : NOVEMBER 12-19, 2024
ISSUE DATE : NOVEMBER 26, 2024
REPORT NO. : 2024-U110510
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0008 - T24BB386-0014

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	วัดหนองใหญ่ศิริธรรม		
	NOVEMBER 12-13, 2024 T24BB386-0008	NOVEMBER 13-14, 2024 T24BB386-0009	NOVEMBER 14-15, 2024 T24BB386-0010
07:00-08:00 HOUR	0.0182	0.0231	0.0188
08:00-09:00 HOUR	0.0194	0.0256	0.0200
09:00-10:00 HOUR	0.0189	0.0245	0.0199
10:00-11:00 HOUR	0.0195	0.0242	0.0189
11:00-12:00 HOUR	0.0186	0.0261	0.0171
12:00-13:00 HOUR	0.0200	0.0287	0.0165
13:00-14:00 HOUR	0.0197	0.0296	0.0152
14:00-15:00 HOUR	0.0208	0.0284	0.0146
15:00-16:00 HOUR	0.0205	0.0265	0.0151
16:00-17:00 HOUR	0.0203	0.0266	0.0143
17:00-18:00 HOUR	0.0201	0.0236	0.0143
18:00-19:00 HOUR	0.0207	0.0221	0.0132
19:00-20:00 HOUR	0.0226	0.0173	0.0132
20:00-21:00 HOUR	0.0231	0.0186	0.0163
21:00-22:00 HOUR	0.0248	0.0206	0.0204
22:00-23:00 HOUR	0.0270	0.0233	0.0230
23:00-00:00 HOUR	0.0269	0.0198	0.0211
00:00-01:00 HOUR	0.0244	0.0150	0.0176
01:00-02:00 HOUR	0.0181	0.0116	0.0149
02:00-03:00 HOUR	0.0162	0.0115	0.0129
03:00-04:00 HOUR	0.0150	0.0104	0.0142
04:00-05:00 HOUR	0.0156	0.0105	0.0136
05:00-06:00 HOUR	0.0168	0.0122	0.0144
06:00-07:00 HOUR	0.0198	0.0146	0.0146



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	วัดหนองใหญ่ศิริธรรม			
	NOVEMBER 15-16, 2024 T24BB386-0011	NOVEMBER 16-17, 2024 T24BB386-0012	NOVEMBER 17-18, 2024 T24BB386-0013	NOVEMBER 18-19, 2024 T24BB386-0014
07:00-08:00 HOUR	0.0223	0.0201	0.0130	0.0187
08:00-09:00 HOUR	0.0229	0.0237	0.0154	0.0206
09:00-10:00 HOUR	0.0218	0.0250	0.0173	0.0214
10:00-11:00 HOUR	0.0224	0.0245	0.0173	0.0220
11:00-12:00 HOUR	0.0251	0.0250	0.0183	0.0241
12:00-13:00 HOUR	0.0283	0.0267	0.0190	0.0239
13:00-14:00 HOUR	0.0306	0.0252	0.0211	0.0228
14:00-15:00 HOUR	0.0314	0.0247	0.0216	0.0218
15:00-16:00 HOUR	0.0326	0.0227	0.0200	0.0203
16:00-17:00 HOUR	0.0301	0.0218	0.0190	0.0232
17:00-18:00 HOUR	0.0267	0.0202	0.0185	0.0234
18:00-19:00 HOUR	0.0240	0.0177	0.0196	0.0264
19:00-20:00 HOUR	0.0243	0.0169	0.0190	0.0243
20:00-21:00 HOUR	0.0236	0.0180	0.0175	0.0250
21:00-22:00 HOUR	0.0269	0.0220	0.0186	0.0237
22:00-23:00 HOUR	0.0257	0.0247	0.0219	0.0260
23:00-00:00 HOUR	0.0290	0.0236	0.0252	0.0254
00:00-01:00 HOUR	0.0235	0.0228	0.0238	0.0235
01:00-02:00 HOUR	0.0195	0.0193	0.0193	0.0174
02:00-03:00 HOUR	0.0125	0.0173	0.0161	0.0154
03:00-04:00 HOUR	0.0113	0.0162	0.0159	0.0132
04:00-05:00 HOUR	0.0115	0.0154	0.0154	0.0139
05:00-06:00 HOUR	0.0116	0.0179	0.0149	0.0145
06:00-07:00 HOUR	0.0112	0.0184	0.0163	0.0159

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : พื้นที่โครงการ
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : NOVEMBER 12-19, 2024
MEASURING DATE : NOVEMBER 12-19, 2024 **ANALYTICAL DATE** : NOVEMBER 12-19, 2024
MEASURING TIME : * **ISSUE DATE** : NOVEMBER 26, 2024
MEASURING METHOD : CHEMILUMINESCENCE **REPORT NO.** : 2024-U110511
MEASURED BY : MR SAKSITHON NUMNIM **WORK NO.** : 2024-000154
ANALYSIS NO. : T24BB386-0015 - T24BB386-0021

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	พื้นที่โครงการ		
	NOVEMBER 12-13, 2024 T24BB386-0015	NOVEMBER 13-14, 2024 T24BB386-0016	NOVEMBER 14-15, 2024 T24BB386-0017
07:00-08:00 HOUR	0.0219	0.0218	0.0185
08:00-09:00 HOUR	0.0234	0.0261	0.0201
09:00-10:00 HOUR	0.0222	0.0289	0.0234
10:00-11:00 HOUR	0.0236	0.0295	0.0239
11:00-12:00 HOUR	0.0250	0.0284	0.0225
12:00-13:00 HOUR	0.0261	0.0310	0.0207
13:00-14:00 HOUR	0.0243	0.0323	0.0191
14:00-15:00 HOUR	0.0234	0.0338	0.0198
15:00-16:00 HOUR	0.0258	0.0302	0.0213
16:00-17:00 HOUR	0.0287	0.0288	0.0240
17:00-18:00 HOUR	0.0315	0.0284	0.0239
18:00-19:00 HOUR	0.0309	0.0278	0.0239
19:00-20:00 HOUR	0.0300	0.0268	0.0220
20:00-21:00 HOUR	0.0279	0.0250	0.0241
21:00-22:00 HOUR	0.0307	0.0274	0.0254
22:00-23:00 HOUR	0.0330	0.0296	0.0289
23:00-00:00 HOUR	0.0307	0.0285	0.0265
00:00-01:00 HOUR	0.0256	0.0270	0.0243
01:00-02:00 HOUR	0.0203	0.0225	0.0187
02:00-03:00 HOUR	0.0187	0.0217	0.0162
03:00-04:00 HOUR	0.0183	0.0195	0.0162
04:00-05:00 HOUR	0.0175	0.0179	0.0169
05:00-06:00 HOUR	0.0179	0.0185	0.0182
06:00-07:00 HOUR	0.0180	0.0164	0.0200



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	พื้นที่โครงการ			
	NOVEMBER 15-16, 2024 T24BB386-0018	NOVEMBER 16-17, 2024 T24BB386-0019	NOVEMBER 17-18, 2024 T24BB386-0020	NOVEMBER 18-19, 2024 T24BB386-0021
07:00-08:00 HOUR	0.0222	0.0211	0.0278	0.0257
08:00-09:00 HOUR	0.0242	0.0262	0.0301	0.0270
09:00-10:00 HOUR	0.0234	0.0285	0.0299	0.0262
10:00-11:00 HOUR	0.0246	0.0295	0.0305	0.0274
11:00-12:00 HOUR	0.0236	0.0301	0.0305	0.0276
12:00-13:00 HOUR	0.0232	0.0305	0.0317	0.0282
13:00-14:00 HOUR	0.0213	0.0289	0.0301	0.0279
14:00-15:00 HOUR	0.0197	0.0298	0.0286	0.0269
15:00-16:00 HOUR	0.0189	0.0320	0.0277	0.0275
16:00-17:00 HOUR	0.0181	0.0338	0.0253	0.0273
17:00-18:00 HOUR	0.0219	0.0311	0.0246	0.0279
18:00-19:00 HOUR	0.0242	0.0307	0.0226	0.0272
19:00-20:00 HOUR	0.0257	0.0290	0.0225	0.0285
20:00-21:00 HOUR	0.0253	0.0293	0.0241	0.0280
21:00-22:00 HOUR	0.0264	0.0288	0.0280	0.0286
22:00-23:00 HOUR	0.0306	0.0288	0.0327	0.0253
23:00-00:00 HOUR	0.0297	0.0269	0.0303	0.0259
00:00-01:00 HOUR	0.0275	0.0240	0.0275	0.0249
01:00-02:00 HOUR	0.0218	0.0203	0.0237	0.0224
02:00-03:00 HOUR	0.0176	0.0196	0.0213	0.0213
03:00-04:00 HOUR	0.0151	0.0204	0.0206	0.0209
04:00-05:00 HOUR	0.0139	0.0223	0.0201	0.0205
05:00-06:00 HOUR	0.0152	0.0243	0.0224	0.0204
06:00-07:00 HOUR	0.0158	0.0256	0.0238	0.0201

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 12-19, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 12-19, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING PLACE	: โรงเรียนหนองใหญ่ศิริราชวิทยาลัย	REPORT NO.	: 2024-U110512
MEASURING TYPE	: AMBIENT (AIR)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 12-19, 2024	ANALYSIS NO.	: T24BB386-0001 - T24BB386-0007
MEASURING TIME	: *		
MEASURING METHOD	: UV FLUORESCENCE		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	โรงเรียนหนองใหญ่ศิริราชวิทยาลัย		
	NOVEMBER 12-13, 2024 T24BB386-0001	NOVEMBER 13-14, 2024 T24BB386-0002	NOVEMBER 14-15, 2024 T24BB386-0003
07:00-08:00 HOUR	0.0039	0.0042	0.0036
08:00-09:00 HOUR	0.0040	0.0042	0.0035
09:00-10:00 HOUR	0.0039	0.0041	0.0034
10:00-11:00 HOUR	0.0041	0.0041	0.0032
11:00-12:00 HOUR	0.0041	0.0040	0.0032
12:00-13:00 HOUR	0.0042	0.0038	0.0030
13:00-14:00 HOUR	0.0039	0.0036	0.0029
14:00-15:00 HOUR	0.0037	0.0035	0.0028
15:00-16:00 HOUR	0.0035	0.0036	0.0030
16:00-17:00 HOUR	0.0034	0.0033	0.0030
17:00-18:00 HOUR	0.0030	0.0032	0.0031
18:00-19:00 HOUR	0.0028	0.0029	0.0034
19:00-20:00 HOUR	0.0028	0.0028	0.0039
20:00-21:00 HOUR	0.0034	0.0031	0.0044
21:00-22:00 HOUR	0.0037	0.0031	0.0041
22:00-23:00 HOUR	0.0037	0.0033	0.0036
23:00-00:00 HOUR	0.0034	0.0029	0.0031
00:00-01:00 HOUR	0.0029	0.0025	0.0030
01:00-02:00 HOUR	0.0028	0.0024	0.0029
02:00-03:00 HOUR	0.0028	0.0024	0.0029
03:00-04:00 HOUR	0.0029	0.0026	0.0027
04:00-05:00 HOUR	0.0031	0.0026	0.0031
05:00-06:00 HOUR	0.0033	0.0031	0.0032
06:00-07:00 HOUR	0.0038	0.0033	0.0038
AVERAGE 24 HOUR	0.0035	0.0033	0.0033



TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	โรงเรียนหนองใหญ่ศิริราชวิทยายา			
	NOVEMBER 15-16, 2024 T24BB386-0004	NOVEMBER 16-17, 2024 T24BB386-0005	NOVEMBER 17-18, 2024 T24BB386-0006	NOVEMBER 18-19, 2024 T24BB386-0007
07:00-08:00 HOUR	0.0038	0.0039	0.0038	0.0037
08:00-09:00 HOUR	0.0041	0.0039	0.0039	0.0038
09:00-10:00 HOUR	0.0039	0.0036	0.0036	0.0041
10:00-11:00 HOUR	0.0041	0.0034	0.0035	0.0042
11:00-12:00 HOUR	0.0038	0.0032	0.0037	0.0044
12:00-13:00 HOUR	0.0038	0.0031	0.0039	0.0045
13:00-14:00 HOUR	0.0035	0.0031	0.0038	0.0045
14:00-15:00 HOUR	0.0036	0.0032	0.0037	0.0043
15:00-16:00 HOUR	0.0034	0.0033	0.0036	0.0039
16:00-17:00 HOUR	0.0032	0.0031	0.0034	0.0036
17:00-18:00 HOUR	0.0033	0.0030	0.0032	0.0037
18:00-19:00 HOUR	0.0034	0.0029	0.0032	0.0038
19:00-20:00 HOUR	0.0039	0.0031	0.0034	0.0036
20:00-21:00 HOUR	0.0040	0.0032	0.0036	0.0033
21:00-22:00 HOUR	0.0037	0.0032	0.0037	0.0031
22:00-23:00 HOUR	0.0034	0.0030	0.0033	0.0032
23:00-00:00 HOUR	0.0029	0.0026	0.0028	0.0027
00:00-01:00 HOUR	0.0026	0.0025	0.0023	0.0023
01:00-02:00 HOUR	0.0023	0.0026	0.0023	0.0022
02:00-03:00 HOUR	0.0024	0.0028	0.0024	0.0022
03:00-04:00 HOUR	0.0025	0.0028	0.0023	0.0024
04:00-05:00 HOUR	0.0028	0.0027	0.0026	0.0026
05:00-06:00 HOUR	0.0030	0.0029	0.0030	0.0032
06:00-07:00 HOUR	0.0036	0.0032	0.0033	0.0037
AVERAGE 24 HOUR	0.0034	0.0031	0.0033	0.0035

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 12-19, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 12-19, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING PLACE	: วัดหนองใหญ่ศิริธรรม	REPORT NO.	: 2024-U110513
MEASURING TYPE	: AMBIENT (AIR)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 12-19, 2024	ANALYSIS NO.	: T24BB386-0008 - T24BB386-0014
MEASURING TIME	: *		
MEASURING METHOD	: UV FLUORESCENCE		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	วัดหนองใหญ่ศิริธรรม		
	NOVEMBER 12-13, 2024 T24BB386-0008	NOVEMBER 13-14, 2024 T24BB386-0009	NOVEMBER 14-15, 2024 T24BB386-0010
07:00-08:00 HOUR	0.0043	0.0037	0.0050
08:00-09:00 HOUR	0.0043	0.0041	0.0052
09:00-10:00 HOUR	0.0042	0.0040	0.0049
10:00-11:00 HOUR	0.0042	0.0038	0.0046
11:00-12:00 HOUR	0.0041	0.0040	0.0042
12:00-13:00 HOUR	0.0039	0.0041	0.0044
13:00-14:00 HOUR	0.0038	0.0041	0.0040
14:00-15:00 HOUR	0.0036	0.0039	0.0040
15:00-16:00 HOUR	0.0040	0.0035	0.0037
16:00-17:00 HOUR	0.0039	0.0035	0.0039
17:00-18:00 HOUR	0.0036	0.0036	0.0038
18:00-19:00 HOUR	0.0036	0.0040	0.0036
19:00-20:00 HOUR	0.0041	0.0043	0.0035
20:00-21:00 HOUR	0.0041	0.0045	0.0039
21:00-22:00 HOUR	0.0039	0.0043	0.0043
22:00-23:00 HOUR	0.0033	0.0038	0.0040
23:00-00:00 HOUR	0.0032	0.0036	0.0034
00:00-01:00 HOUR	0.0029	0.0032	0.0028
01:00-02:00 HOUR	0.0028	0.0035	0.0026
02:00-03:00 HOUR	0.0025	0.0034	0.0024
03:00-04:00 HOUR	0.0028	0.0037	0.0023
04:00-05:00 HOUR	0.0035	0.0038	0.0025
05:00-06:00 HOUR	0.0039	0.0042	0.0029
06:00-07:00 HOUR	0.0044	0.0044	0.0033
AVERAGE 24 HOUR	0.0037	0.0039	0.0037



TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	วัดหนองใหญ่ศิริธรรม			
	NOVEMBER 15-16, 2024 T24BB386-0011	NOVEMBER 16-17, 2024 T24BB386-0012	NOVEMBER 17-18, 2024 T24BB386-0013	NOVEMBER 18-19, 2024 T24BB386-0014
07:00-08:00 HOUR	0.0048	0.0034	0.0042	0.0045
08:00-09:00 HOUR	0.0049	0.0033	0.0041	0.0048
09:00-10:00 HOUR	0.0050	0.0035	0.0042	0.0045
10:00-11:00 HOUR	0.0045	0.0039	0.0041	0.0047
11:00-12:00 HOUR	0.0047	0.0044	0.0038	0.0039
12:00-13:00 HOUR	0.0044	0.0043	0.0041	0.0037
13:00-14:00 HOUR	0.0044	0.0041	0.0038	0.0032
14:00-15:00 HOUR	0.0042	0.0040	0.0042	0.0029
15:00-16:00 HOUR	0.0040	0.0042	0.0043	0.0027
16:00-17:00 HOUR	0.0041	0.0042	0.0041	0.0025
17:00-18:00 HOUR	0.0043	0.0039	0.0040	0.0028
18:00-19:00 HOUR	0.0043	0.0038	0.0036	0.0028
19:00-20:00 HOUR	0.0041	0.0035	0.0041	0.0031
20:00-21:00 HOUR	0.0040	0.0036	0.0039	0.0033
21:00-22:00 HOUR	0.0041	0.0035	0.0039	0.0037
22:00-23:00 HOUR	0.0043	0.0037	0.0035	0.0038
23:00-00:00 HOUR	0.0041	0.0032	0.0035	0.0037
00:00-01:00 HOUR	0.0034	0.0030	0.0034	0.0037
01:00-02:00 HOUR	0.0029	0.0029	0.0034	0.0034
02:00-03:00 HOUR	0.0027	0.0031	0.0035	0.0031
03:00-04:00 HOUR	0.0030	0.0034	0.0039	0.0027
04:00-05:00 HOUR	0.0035	0.0035	0.0040	0.0030
05:00-06:00 HOUR	0.0039	0.0041	0.0042	0.0029
06:00-07:00 HOUR	0.0045	0.0038	0.0044	0.0034
AVERAGE 24 HOUR	0.0041	0.0037	0.0039	0.0035

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : พื้นที่โครงการ
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 12-19, 2024
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : NOVEMBER 12-19, 2024
ANALYTICAL DATE : NOVEMBER 12-19, 2024
ISSUE DATE : NOVEMBER 26, 2024
REPORT NO. : 2024-U110514
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0015 - T24BB386-0021

TIME *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	พื้นที่โครงการ		
	NOVEMBER 12-13, 2024 T24BB386-0015	NOVEMBER 13-14, 2024 T24BB386-0016	NOVEMBER 14-15, 2024 T24BB386-0017
07:00-08:00 HOUR	0.0039	0.0040	0.0043
08:00-09:00 HOUR	0.0042	0.0043	0.0040
09:00-10:00 HOUR	0.0040	0.0042	0.0040
10:00-11:00 HOUR	0.0044	0.0041	0.0040
11:00-12:00 HOUR	0.0047	0.0039	0.0037
12:00-13:00 HOUR	0.0046	0.0036	0.0033
13:00-14:00 HOUR	0.0039	0.0030	0.0030
14:00-15:00 HOUR	0.0035	0.0028	0.0030
15:00-16:00 HOUR	0.0034	0.0030	0.0030
16:00-17:00 HOUR	0.0036	0.0031	0.0031
17:00-18:00 HOUR	0.0040	0.0032	0.0035
18:00-19:00 HOUR	0.0045	0.0032	0.0038
19:00-20:00 HOUR	0.0044	0.0032	0.0040
20:00-21:00 HOUR	0.0041	0.0036	0.0041
21:00-22:00 HOUR	0.0039	0.0037	0.0042
22:00-23:00 HOUR	0.0035	0.0035	0.0039
23:00-00:00 HOUR	0.0031	0.0027	0.0037
00:00-01:00 HOUR	0.0027	0.0024	0.0030
01:00-02:00 HOUR	0.0028	0.0023	0.0029
02:00-03:00 HOUR	0.0027	0.0025	0.0025
03:00-04:00 HOUR	0.0029	0.0031	0.0028
04:00-05:00 HOUR	0.0031	0.0036	0.0027
05:00-06:00 HOUR	0.0034	0.0042	0.0029
06:00-07:00 HOUR	0.0035	0.0044	0.0033
AVERAGE 24 HOUR	0.0037	0.0034	0.0034



TIME *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	พื้นที่โครงการ			
	NOVEMBER 15-16, 2024 T24BB386-0018	NOVEMBER 16-17, 2024 T24BB386-0019	NOVEMBER 17-18, 2024 T24BB386-0020	NOVEMBER 18-19, 2024 T24BB386-0021
07:00-08:00 HOUR	0.0039	0.0034	0.0035	0.0038
08:00-09:00 HOUR	0.0040	0.0038	0.0041	0.0041
09:00-10:00 HOUR	0.0040	0.0042	0.0042	0.0046
10:00-11:00 HOUR	0.0037	0.0042	0.0043	0.0042
11:00-12:00 HOUR	0.0037	0.0043	0.0041	0.0042
12:00-13:00 HOUR	0.0032	0.0045	0.0040	0.0039
13:00-14:00 HOUR	0.0029	0.0052	0.0034	0.0047
14:00-15:00 HOUR	0.0028	0.0050	0.0028	0.0050
15:00-16:00 HOUR	0.0027	0.0049	0.0026	0.0050
16:00-17:00 HOUR	0.0027	0.0043	0.0029	0.0045
17:00-18:00 HOUR	0.0029	0.0044	0.0031	0.0044
18:00-19:00 HOUR	0.0031	0.0041	0.0037	0.0044
19:00-20:00 HOUR	0.0038	0.0041	0.0039	0.0042
20:00-21:00 HOUR	0.0041	0.0037	0.0040	0.0040
21:00-22:00 HOUR	0.0043	0.0036	0.0040	0.0041
22:00-23:00 HOUR	0.0039	0.0032	0.0038	0.0044
23:00-00:00 HOUR	0.0033	0.0028	0.0038	0.0037
00:00-01:00 HOUR	0.0030	0.0026	0.0032	0.0032
01:00-02:00 HOUR	0.0028	0.0024	0.0030	0.0028
02:00-03:00 HOUR	0.0028	0.0026	0.0028	0.0026
03:00-04:00 HOUR	0.0030	0.0026	0.0028	0.0026
04:00-05:00 HOUR	0.0031	0.0030	0.0032	0.0025
05:00-06:00 HOUR	0.0032	0.0030	0.0032	0.0029
06:00-07:00 HOUR	0.0034	0.0032	0.0034	0.0034
AVERAGE 24 HOUR	0.0033	0.0037	0.0035	0.0039

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 12-19, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 12-19, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING PLACE	: โรงเรียนหนองใหญ่ศิริวรวิทย์วิทยา	REPORT NO.	: 2024-U110515
MEASURING TYPE	: AMBIENT (AIR)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 12-19, 2024	ANALYSIS NO.	: T24BB386-0001 - T24BB386-0007
MEASURING TIME	: *		
MEASURING METHOD	: WIND SPEED & WIND DIRECTION EQUIPMENT		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME *	RESULT (m/s)					
	โรงเรียนหนองใหญ่ศิริวรวิทย์วิทยา					
	NOVEMBER 12-13, 2024 T24BB386-0001		NOVEMBER 13-14, 2024 T24BB386-0002		NOVEMBER 14-15, 2024 T24BB386-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.4	NE	2.1	ESE	1.4	N
08:00-09:00 HOUR	2.2	NE	1.7	SE	1.3	NW
09:00-10:00 HOUR	1.7	NNE	1.9	NNE	1.0	NE
10:00-11:00 HOUR	1.8	N	3.0	NE	1.3	N
11:00-12:00 HOUR	2.1	N	2.6	NNE	1.2	NNW
12:00-13:00 HOUR	2.3	NE	2.5	ESE	1.4	NNE
13:00-14:00 HOUR	2.3	NNE	2.3	ENE	1.4	NE
14:00-15:00 HOUR	1.3	NW	1.7	ESE	1.6	NNE
15:00-16:00 HOUR	1.3	N	1.8	NNE	1.5	NNE
16:00-17:00 HOUR	1.2	NW	2.3	NE	2.1	ESE
17:00-18:00 HOUR	0.9	NE	2.2	N	2.2	SSE
18:00-19:00 HOUR	1.0	NNE	2.3	NE	2.1	ENE
19:00-20:00 HOUR	0.7	N	2.2	ENE	1.5	NNE
20:00-21:00 HOUR	1.1	NNE	2.6	ENE	1.5	N
21:00-22:00 HOUR	1.3	NW	2.3	ENE	1.0	NE
22:00-23:00 HOUR	1.9	ENE	1.7	NNE	0.9	NNW
23:00-00:00 HOUR	1.9	N	1.8	NNE	1.0	NNW
00:00-01:00 HOUR	2.9	ENE	1.8	E	1.1	NNE
01:00-02:00 HOUR	2.1	N	1.9	ENE	0.9	NNE
02:00-03:00 HOUR	2.9	NE	2.6	ENE	1.1	NNE
03:00-04:00 HOUR	2.2	NNE	1.7	N	1.0	E
04:00-05:00 HOUR	2.6	NNE	2.4	ENE	1.7	E
05:00-06:00 HOUR	1.9	ESE	2.5	NNE	1.3	ENE
06:00-07:00 HOUR	1.6	NE	2.0	W	2.0	NE



TIME *	RESULT (m/s)							
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม							
	NOVEMBER 15-16, 2024		NOVEMBER 16-17, 2024		NOVEMBER 17-18, 2024		NOVEMBER 18-19, 2024	
	T24BB386-0004		T24BB386-0005		T24BB386-0006		T24BB386-0007	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.5	E	1.7	SE	2.1	NE	1.7	NNE
08:00-09:00 HOUR	2.1	NNE	1.7	ESE	2.5	NNE	1.2	NNW
09:00-10:00 HOUR	1.9	NNE	2.1	NE	2.6	NE	0.9	NNE
10:00-11:00 HOUR	2.0	NNE	2.3	E	2.9	N	1.1	NNW
11:00-12:00 HOUR	1.9	NW	1.4	NE	2.5	ESE	0.8	NNE
12:00-13:00 HOUR	2.6	NNE	1.8	NNE	2.4	NE	0.7	N
13:00-14:00 HOUR	2.0	NNW	1.5	NW	2.9	NE	1.0	ENE
14:00-15:00 HOUR	1.4	WNW	2.3	NW	2.8	SE	1.0	NE
15:00-16:00 HOUR	1.5	NE	2.3	NNE	2.2	NE	0.7	NE
16:00-17:00 HOUR	1.0	NE	1.8	NW	2.0	NE	1.4	NE
17:00-18:00 HOUR	1.1	E	1.9	NNW	1.4	N	1.7	N
18:00-19:00 HOUR	1.0	NE	1.8	NNE	1.0	NW	2.1	NE
19:00-20:00 HOUR	0.9	ESE	1.8	NNE	1.0	NW	2.4	NNE
20:00-21:00 HOUR	0.8	ENE	1.9	NE	1.1	NNE	1.5	NNW
21:00-22:00 HOUR	0.8	ENE	1.5	NNE	1.0	NW	1.8	NNE
22:00-23:00 HOUR	1.0	NNE	1.8	N	1.5	NNE	1.5	NW
23:00-00:00 HOUR	1.1	WNW	1.6	NNW	1.6	NNE	2.0	WNW
00:00-01:00 HOUR	1.0	NNE	1.9	N	1.4	NNE	1.8	NW
01:00-02:00 HOUR	1.0	NW	1.9	NNE	2.2	NW	1.4	N
02:00-03:00 HOUR	1.1	WNW	1.7	NE	2.3	NNE	1.3	NNE
03:00-04:00 HOUR	1.0	N	1.7	NNW	2.6	NNE	0.8	WNW
04:00-05:00 HOUR	1.2	W	2.1	NW	2.2	WNW	1.2	NNW
05:00-06:00 HOUR	2.0	NNE	2.1	NW	2.2	NNE	0.9	WNW
06:00-07:00 HOUR	1.4	ESE	1.9	NE	1.8	ENE	1.2	NNW

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : วัดหนองใหญ่ศิริธรรม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 12-19, 2024
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : NOVEMBER 12-19, 2024
ANALYTICAL DATE : NOVEMBER 12-19, 2024
ISSUE DATE : NOVEMBER 26, 2024
REPORT NO. : 2024-U110516
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0008 - T24BB386-0014

TIME *	RESULT (m/s)					
	วัดหนองใหญ่ศิริธรรม					
	NOVEMBER 12-13, 2024 T24BB386-0008		NOVEMBER 13-14, 2024 T24BB386-0009		NOVEMBER 14-15, 2024 T24BB386-0010	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.8	NNE	2.3	NNW	1.7	NNE
08:00-09:00 HOUR	2.3	ENE	2.3	N	1.6	ENE
09:00-10:00 HOUR	1.7	ENE	2.6	NE	2.1	NNE
10:00-11:00 HOUR	1.9	E	1.6	NE	1.5	ENE
11:00-12:00 HOUR	2.3	NNE	2.2	ENE	1.9	N
12:00-13:00 HOUR	2.4	NNE	2.3	ENE	1.7	NNE
13:00-14:00 HOUR	2.1	NNE	1.8	ESE	1.8	NNE
14:00-15:00 HOUR	1.3	E	1.7	N	2.2	E
15:00-16:00 HOUR	1.6	ENE	2.3	ENE	2.0	ENE
16:00-17:00 HOUR	1.0	ESE	1.6	NNE	1.8	ENE
17:00-18:00 HOUR	0.9	ESE	1.7	ENE	1.7	NNW
18:00-19:00 HOUR	0.9	NE	1.4	NNW	2.1	N
19:00-20:00 HOUR	0.9	ESE	1.0	N	1.8	NNE
20:00-21:00 HOUR	0.8	NE	0.8	NE	1.9	NNW
21:00-22:00 HOUR	1.1	E	1.0	NNW	1.9	NNW
22:00-23:00 HOUR	1.0	ENE	0.9	NNE	2.2	NW
23:00-00:00 HOUR	0.9	NNE	0.8	NE	1.7	WNW
00:00-01:00 HOUR	1.0	NNW	1.1	NE	2.2	NNW
01:00-02:00 HOUR	0.9	ENE	1.4	E	1.9	NNW
02:00-03:00 HOUR	1.2	NNE	2.0	E	1.7	NE
03:00-04:00 HOUR	1.7	NNE	2.0	NE	1.7	ESE
04:00-05:00 HOUR	1.5	NE	2.2	E	1.5	NE
05:00-06:00 HOUR	1.7	N	1.5	NE	0.9	SE
06:00-07:00 HOUR	1.8	N	1.7	ENE	0.9	NE



TIME *	RESULT (m/s)							
	วัดหนองใหญ่ศิริธรรม							
	NOVEMBER 15-16, 2024		NOVEMBER 16-17, 2024		NOVEMBER 17-18, 2024		NOVEMBER 18-19, 2024	
	T24BB386-0011		T24BB386-0012		T24BB386-0013		T24BB386-0014	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	0.7	SE	2.2	NE	1.2	NNW	1.1	NNW
08:00-09:00 HOUR	1.0	NE	2.3	NW	0.9	N	0.9	NNE
09:00-10:00 HOUR	0.9	N	1.6	NNW	0.8	NW	1.0	NE
10:00-11:00 HOUR	0.8	NE	2.0	NNE	0.7	NNW	0.9	NNW
11:00-12:00 HOUR	0.9	N	1.6	NE	1.0	NW	0.7	NNE
12:00-13:00 HOUR	0.9	NW	2.4	ENE	0.9	ENE	1.1	ENE
13:00-14:00 HOUR	0.8	NE	1.9	NNE	1.0	NE	0.7	NNE
14:00-15:00 HOUR	1.1	NE	1.6	E	1.3	ENE	1.0	E
15:00-16:00 HOUR	1.1	N	1.4	ESE	1.1	NE	0.9	ENE
16:00-17:00 HOUR	1.0	NNE	1.1	NNE	0.9	NNE	1.1	NE
17:00-18:00 HOUR	0.9	NE	1.4	NNE	1.0	NNE	1.5	E
18:00-19:00 HOUR	1.0	WNW	1.2	NE	0.8	NNW	1.7	NNE
19:00-20:00 HOUR	0.7	WNW	1.1	NNE	0.7	NNE	2.3	NNE
20:00-21:00 HOUR	0.8	NW	1.5	ESE	0.8	NNW	2.5	NNE
21:00-22:00 HOUR	0.8	NNW	1.7	NE	1.0	NE	2.0	NNE
22:00-23:00 HOUR	0.9	NNE	1.4	ENE	0.7	NNE	2.1	ESE
23:00-00:00 HOUR	1.7	ENE	2.4	N	1.1	WNW	2.9	SE
00:00-01:00 HOUR	1.6	NNE	1.6	N	0.8	NNW	2.7	E
01:00-02:00 HOUR	1.4	NNE	2.5	E	0.7	NW	1.8	E
02:00-03:00 HOUR	1.7	NNE	2.0	NNE	1.0	NNE	1.8	NE
03:00-04:00 HOUR	2.2	NNW	1.7	N	0.9	NNW	1.6	ENE
04:00-05:00 HOUR	2.2	ENE	1.1	NW	0.8	NW	2.4	NE
05:00-06:00 HOUR	1.8	NNE	0.9	NW	1.2	NNE	1.5	NE
06:00-07:00 HOUR	1.7	NNE	0.8	NW	1.0	ENE	1.6	ENE

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : พื้นที่โครงการ
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 12-19, 2024
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SAKSITHON NUMNIM

RECEIVED DATE : NOVEMBER 12-19, 2024
ANALYTICAL DATE : NOVEMBER 12-19, 2024
ISSUE DATE : NOVEMBER 26, 2024
REPORT NO. : 2024-U110517
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB386-0015 - T24BB386-0021

TIME *	RESULT (m/s)					
	พื้นที่โครงการ					
	NOVEMBER 12-13, 2024 T24BB386-0015		NOVEMBER 13-14, 2024 T24BB386-0016		NOVEMBER 14-15, 2024 T24BB386-0017	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	2.1	NNE	1.3	NE	1.6	NNW
08:00-09:00 HOUR	2.2	NE	1.7	NE	1.5	N
09:00-10:00 HOUR	2.8	NNW	1.7	NE	2.3	NNE
10:00-11:00 HOUR	2.5	NNE	2.1	NE	1.8	N
11:00-12:00 HOUR	2.8	NNE	1.7	ENE	1.7	NNW
12:00-13:00 HOUR	2.5	NNW	1.5	N	1.7	NNE
13:00-14:00 HOUR	1.9	NNE	1.0	NW	1.7	NE
14:00-15:00 HOUR	2.0	E	1.1	ENE	2.2	SE
15:00-16:00 HOUR	1.9	ENE	0.8	NE	1.7	NNE
16:00-17:00 HOUR	2.3	ESE	0.9	NE	2.1	ESE
17:00-18:00 HOUR	1.6	ENE	1.0	ENE	1.9	ENE
18:00-19:00 HOUR	2.0	E	1.0	ENE	2.1	ESE
19:00-20:00 HOUR	1.9	NE	1.1	N	1.5	NNE
20:00-21:00 HOUR	1.5	NE	0.9	NNW	2.2	ENE
21:00-22:00 HOUR	1.4	NNW	1.1	NE	1.8	NNE
22:00-23:00 HOUR	1.1	NNW	0.9	E	2.1	NNE
23:00-00:00 HOUR	1.2	N	1.2	NE	2.4	N
00:00-01:00 HOUR	1.1	NE	1.0	E	1.8	E
01:00-02:00 HOUR	1.0	NNW	0.9	N	2.3	ENE
02:00-03:00 HOUR	1.1	NE	1.0	E	1.7	NE
03:00-04:00 HOUR	0.8	NE	1.3	ESE	1.5	NE
04:00-05:00 HOUR	0.9	E	0.9	NE	1.1	ENE
05:00-06:00 HOUR	0.8	NE	1.1	NE	1.0	ENE
06:00-07:00 HOUR	1.0	E	1.3	ENE	1.1	NE



TIME *	RESULT (m/s)							
	พื้นที่โครงการ							
	NOVEMBER 15-16, 2024		NOVEMBER 16-17, 2024		NOVEMBER 17-18, 2024		NOVEMBER 18-19, 2024	
	T24BB386-0018		T24BB386-0019		T24BB386-0020		T24BB386-0021	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	1.3	NNE	1.1	N	1.3	NNE	1.3	NNW
08:00-09:00 HOUR	1.3	NE	0.9	N	0.8	NNE	0.9	NNE
09:00-10:00 HOUR	1.2	E	1.6	NNW	1.2	SE	0.9	ENE
10:00-11:00 HOUR	1.5	N	1.5	NNW	0.8	ESE	1.1	NNE
11:00-12:00 HOUR	1.9	ESE	1.5	NE	1.1	E	1.2	NNE
12:00-13:00 HOUR	1.8	ESE	2.5	NW	1.2	NNW	1.0	NE
13:00-14:00 HOUR	1.9	SSE	2.0	NE	1.2	N	0.8	NNW
14:00-15:00 HOUR	2.0	NE	1.6	NW	0.8	NE	1.0	NNW
15:00-16:00 HOUR	1.4	NNE	1.8	NW	1.1	NNE	1.1	NNE
16:00-17:00 HOUR	1.6	NE	1.4	NW	1.0	NE	0.8	NW
17:00-18:00 HOUR	2.3	ESE	1.9	NNW	1.6	NNE	1.3	NNE
18:00-19:00 HOUR	1.5	ESE	1.1	NE	2.0	NNE	1.4	NE
19:00-20:00 HOUR	1.8	E	0.8	NNE	2.1	N	1.7	NE
20:00-21:00 HOUR	2.1	E	0.8	ENE	1.6	NW	1.8	NNE
21:00-22:00 HOUR	2.2	ESE	0.9	NNE	1.7	NNE	1.7	E
22:00-23:00 HOUR	1.8	NE	0.8	ENE	1.3	NNE	2.1	N
23:00-00:00 HOUR	2.3	E	1.1	N	1.0	E	2.2	NE
00:00-01:00 HOUR	1.9	NE	1.2	N	0.9	ENE	2.1	NNW
01:00-02:00 HOUR	2.3	ESE	1.7	E	0.9	ENE	1.9	NNE
02:00-03:00 HOUR	2.1	E	2.0	NNE	0.7	ENE	2.0	NE
03:00-04:00 HOUR	1.2	SE	2.0	ENE	0.9	ENE	1.7	NE
04:00-05:00 HOUR	1.6	E	1.6	N	1.0	ENE	1.9	SSE
05:00-06:00 HOUR	1.4	NE	1.6	E	1.2	NNE	1.4	ESE
06:00-07:00 HOUR	1.1	N	1.5	E	0.8	NNE	2.2	S

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ภาคผนวก ค4
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 : JULY 19, 2024
SAMPLING TIME : 10:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS KALLAYA SOMPHONG
RECEIVED DATE : JULY 20, 2024
ANALYTICAL DATE : JULY 20-26, 2024
ISSUE DATE : AUGUST 9, 2024
REPORT NO. : 2024-U071134
WORK NO. : 2024-000154
ANALYSIS NO. : T24AQ499-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			น้ำเสียก่อนเข้าระบบบำบัด T24AQ499-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.7 (50°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	18,840	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	62,581	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	39,920	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID BROWN	

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

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

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

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

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: JULY 20, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: JULY 20-26, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: OCTOBER 15, 2024
SAMPLING SOURCE	: -	REPORT NO.	: 2024-U094353
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2024-000154
SAMPLING DATE	: JULY 19, 2024	ANALYSIS NO.	: T24AQ499-0002
SAMPLING TIME	: 10:25 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR MANIT PANCHOT		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			OXIDATION POND T24AQ499-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.6 (31°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)	13.3	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	252	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	39.3	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREEN		

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

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

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

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

^a : SAMPLING AT 11:20 HOUR ON AUGUST 9, 2024, ANALYSIS NO. T24AS031-0001 (ANALYTICAL DATE : AUGUST 9-15, 2024)

THE REASON FOR ISSUING THE NEW REPORT IS SUBSTITUTE RESULT.

SUBSTITUTED REPORT FOR REPORT NO. 2024-U071136, ISSUE DATE AUGUST 2, 2024.

..... (MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: AUGUST 23, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: AUGUST 23-29, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: SEPTEMBER 3, 2024
SAMPLING SOURCE	: -	REPORT NO.	: 2024-U080954
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2024-000154
SAMPLING DATE	: AUGUST 23, 2024	ANALYSIS NO.	: T24AT284-0001
SAMPLING TIME	: 10:50 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR MANIT PANCHOT		
ANALYZED BY	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			น้ำเสียก่อนเข้าระบบบำบัด T24AT284-0001	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.1 (34°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	53.4	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	384	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	172	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

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

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

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

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

(MRS PIYAPAT SUTTAMANUTWONG)
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 : AUGUST 23, 2024
SAMPLING TIME : 10:25 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : AUGUST 23, 2024
ANALYTICAL DATE : AUGUST 23-30, 2024
ISSUE DATE : SEPTEMBER 3, 2024
REPORT NO. : 2024-U080955
WORK NO. : 2024-000154
ANALYSIS NO. : T24AT284-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			OXIDATION POND T24AT284-0002		
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.6 (34°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)	61.2	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	245	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	43.5	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

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

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

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

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

.....
(MRS PIYAPAT SUTTAMANUTWONG)
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 : SEPTEMBER 20, 2024
SAMPLING TIME : 09:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : SEPTEMBER 20, 2024
ANALYTICAL DATE : SEPTEMBER 20-30, 2024
ISSUE DATE : OCTOBER 1, 2024
REPORT NO. : 2024-U090993
WORK NO. : 2024-000154
ANALYSIS NO. : T24AV955-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			น้ำเสียบก่อนเข้ระบบบำบัด T24AV955-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.9 (45.7°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	21,210	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	57,742	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	49,820	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID BROWN	

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

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

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

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

(MR. PATTARAT SUTTHANANTHONG)
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 : EFFLUENT
SAMPLING DATE : SEPTEMBER 16, 2024
SAMPLING TIME : 10:05 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS KALLAYA SOMPHONG

RECEIVED DATE : SEPTEMBER 16, 2024
ANALYTICAL DATE : SEPTEMBER 16-23, 2024
ISSUE DATE : SEPTEMBER 26, 2024
REPORT NO. : 2024-U089399
WORK NO. : 2024-000154
ANALYSIS NO. : T24AV460-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			OXDATION POND T24AV460-0001		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.5 (33.4°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)	41.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	303	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	58.3	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

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

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

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: OCTOBER 11, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: OCTOBER 11-18, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: OCTOBER 24, 2024
SAMPLING SOURCE	: -	REPORT NO.	: 2024-U099378
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2024-000154
SAMPLING DATE	: OCTOBER 11, 2024	ANALYSIS NO.	: T24AX950-0001
SAMPLING TIME	: 09:20 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR MANIT PANCHOT		
ANALYZED BY	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			น้ำเสียมก่อนเข้าระบบบำบัด T24AX950-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	4.3 (44.2°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	7,575	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	49,677	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	26,835	5.0
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			BROWN/TURBID	
SEDIMENT			BROWN	

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

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

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

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

(MRS PIYAPAT SUTTAMANUTWONG)
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 : OCTOBER 11, 2024
SAMPLING TIME : 09:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : OCTOBER 11, 2024
ANALYTICAL DATE : OCTOBER 11-22, 2024
ISSUE DATE : OCTOBER 24, 2024
REPORT NO. : 2024-U099379
WORK NO. : 2024-000154
ANALYSIS NO. : T24AX950-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			OXIDATION POND T24AX950-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.5 (30.1°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)	6.2	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	100	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	18.2	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREEN		

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

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

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

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

.....
(MRS PIYAPAT SUTTAMANUTWONG)
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 : NOVEMBER 14, 2024
SAMPLING TIME : 10:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR MANIT PANCHOT
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : NOVEMBER 14, 2024
ANALYTICAL DATE : NOVEMBER 14-20, 2024
ISSUE DATE : NOVEMBER 25, 2024
REPORT NO. : 2024-U109862
WORK NO. : 2024-000154
ANALYSIS NO. : T24BA745-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			น้ำเสียก่อนเข้าระบบบำบัด T24BA745-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	3.9 (37.6°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	25,380	-
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	63,226	-
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	39,740	-
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			BROWN/TURBID	
SEDIMENT			BROWN	

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

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

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

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

.....
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 14, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 14-21, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: NOVEMBER 25, 2024
SAMPLING SOURCE	: -	REPORT NO.	: 2024-U109863
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2024-000154
SAMPLING DATE	: NOVEMBER 14, 2024	ANALYSIS NO.	: T24BA745-0002
SAMPLING TIME	: 10:35 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)
			OXIDATION POND T24BA745-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.9 (30.1°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)	5.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	43.3	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	27.5	≤ 50	5.0
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			YELLOW		

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

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

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

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

.....
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: DECEMBER 17, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: DECEMBER 17-24, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: DECEMBER 27, 2024
SAMPLING SOURCE	: -	REPORT NO.	: 2024-U122987
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2024-000154
SAMPLING DATE	: DECEMBER 16, 2024	ANALYSIS NO.	: T24BD614-0001
SAMPLING TIME	: 09:20 HOUR		
SAMPLING METHOD	: GRAB		
SAMPLING BY	: MR. THANADET WANSANOR		
ANALYZED BY	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	LIMIT OF QUANTITATION (LOQ)
			น้ำเสียก่อนเข้าระบบบำบัด T24BD614-0001	
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	6.0 (37.2°C)	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	14,310	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	32,742	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	13,700	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID BROWN	

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

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

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

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

.....
(MRS PIYAPAT SUTITAMANUTIWONG)
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 : DECEMBER 16, 2024
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR THANADET WANSANOR
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : DECEMBER 17, 2024
ANALYTICAL DATE : DECEMBER 17-24, 2024
ISSUE DATE : DECEMBER 27, 2024
REPORT NO. : 2024-U122988
WORK NO. : 2024-000154
ANALYSIS NO. : T24BD614-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	LIMIT OF QUANTITATION (LOQ)
			OXIDATION POND T24BD614-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (26.6°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 ₂ G)	2.4	≤ 20	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	48.3	≤ 120	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	11.8	≤ 50	5.0
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

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

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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

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ภาคผนวก ค5
ใบรายงานผลการติดตามตรวจสอบ
ระดับเสียงในบรรยากาศโดยทั่วไป



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 15-18, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 15-18, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING SOURCE	: โรงเรียนหนองใหญ่ศิริราชวิทยาคม	REPORT NO.	: 2024-U110506
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 15-18, 2024	ANALYSIS NO.	: T24BB385-0001 - T24BB385-0003
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME*	RESULT dB(A)		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	NOVEMBER 15-16, 2024		
	T24BB385-0001		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.5	81.4	50.7
08:00-09:00 HOUR	56.1	79.1	46.2
09:00-10:00 HOUR	53.6	75.9	46.1
10:00-11:00 HOUR	54.5	80.2	46.5
11:00-12:00 HOUR	53.6	75.8	45.4
12:00-13:00 HOUR	55.1	80.6	45.9
13:00-14:00 HOUR	52.6	80.3	47.9
14:00-15:00 HOUR	59.8	85.6	51.6
15:00-16:00 HOUR	59.1	85.2	47.4
16:00-17:00 HOUR	52.3	74.7	44.6
17:00-18:00 HOUR	50.8	72.7	44.0
18:00-19:00 HOUR	68.8	91.0	45.1
19:00-20:00 HOUR	49.4	73.2	45.3
20:00-21:00 HOUR	47.4	66.7	45.0
21:00-22:00 HOUR	47.5	62.9	45.8
22:00-23:00 HOUR	52.2	79.1	44.3
23:00-00:00 HOUR	52.6	75.5	46.4
00:00-01:00 HOUR	46.2	65.6	44.1
01:00-02:00 HOUR	45.5	55.0	44.0
02:00-03:00 HOUR	45.1	59.5	43.9
03:00-04:00 HOUR	44.7	48.3	43.8
04:00-05:00 HOUR	45.2	64.5	43.9
05:00-06:00 HOUR	46.6	65.3	44.5
06:00-07:00 HOUR	51.3	75.3	45.6
L_{Aeq} 24 hours		57.5	



TIME*	RESULT dB(A)		
	โรงเรียนหนองใหญ่ศิริราชวิทยาคม		
	NOVEMBER 16-17, 2024		
	T24BB385-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.3	82.9	45.2
08:00-09:00 HOUR	48.3	71.9	43.7
09:00-10:00 HOUR	52.1	82.4	43.9
10:00-11:00 HOUR	51.4	73.9	45.8
11:00-12:00 HOUR	51.2	73.7	47.7
12:00-13:00 HOUR	51.9	79.1	47.4
13:00-14:00 HOUR	50.4	68.7	46.3
14:00-15:00 HOUR	51.2	76.6	45.4
15:00-16:00 HOUR	55.1	80.1	46.8
16:00-17:00 HOUR	50.8	72.5	46.7
17:00-18:00 HOUR	49.7	71.7	45.9
18:00-19:00 HOUR	48.9	76.3	45.3
19:00-20:00 HOUR	46.4	60.9	45.3
20:00-21:00 HOUR	46.9	70.2	45.4
21:00-22:00 HOUR	47.3	71.4	45.2
22:00-23:00 HOUR	47.7	65.3	46.7
23:00-00:00 HOUR	46.9	66.3	45.9
00:00-01:00 HOUR	45.6	58.6	44.5
01:00-02:00 HOUR	46.6	70.2	44.9
02:00-03:00 HOUR	45.7	57.0	44.8
03:00-04:00 HOUR	45.8	65.1	44.1
04:00-05:00 HOUR	46.8	53.3	45.3
05:00-06:00 HOUR	50.7	72.4	47.1
06:00-07:00 HOUR	53.7	77.0	47.5
L _{Aeq} 24 hours	50.4		

TIME*	RESULT dB(A)		
	โรงเรียนหนองใหญ่ศิริราชวิทยายา		
	NOVEMBER 17-18, 2024		
	T24BB385-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	52.5	70.9	45.6
08:00-09:00 HOUR	51.7	74.9	44.1
09:00-10:00 HOUR	50.8	73.8	45.0
10:00-11:00 HOUR	51.4	72.0	44.6
11:00-12:00 HOUR	48.4	77.3	43.8
12:00-13:00 HOUR	50.0	67.4	46.4
13:00-14:00 HOUR	51.5	67.8	45.7
14:00-15:00 HOUR	51.2	70.0	44.0
15:00-16:00 HOUR	62.4	78.1	45.9
16:00-17:00 HOUR	51.2	70.9	45.9
17:00-18:00 HOUR	50.8	73.2	45.0
18:00-19:00 HOUR	48.6	66.7	46.3
19:00-20:00 HOUR	46.7	58.2	46.1
20:00-21:00 HOUR	47.5	67.9	45.4
21:00-22:00 HOUR	47.5	70.9	44.8
22:00-23:00 HOUR	47.0	69.2	43.5
23:00-00:00 HOUR	46.0	54.5	44.6
00:00-01:00 HOUR	46.0	54.1	44.1
01:00-02:00 HOUR	46.2	65.4	44.5
02:00-03:00 HOUR	46.7	57.8	45.5
03:00-04:00 HOUR	48.4	83.2	44.4
04:00-05:00 HOUR	46.9	66.9	44.1
05:00-06:00 HOUR	50.4	73.8	46.1
06:00-07:00 HOUR	53.5	75.9	47.3
L _{Aeq} 24 hours	52.1		

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 15-18, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 15-18, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING SOURCE	: วัดหนองใหญ่ศิริธรรม	REPORT NO.	: 2024-U110507
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 15-18, 2024	ANALYSIS NO.	: T24BB385-0004 - T24BB385-0006
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME*	RESULT dB(A)		
	วัดหนองใหญ่ศิริธรรม		
	NOVEMBER 15-16, 2024		
	T24BB385-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.5	74.6	50.3
08:00-09:00 HOUR	54.5	80.7	48.5
09:00-10:00 HOUR	56.6	80.7	47.6
10:00-11:00 HOUR	54.5	76.7	48.1
11:00-12:00 HOUR	61.8	96.9	47.8
12:00-13:00 HOUR	57.0	78.6	49.2
13:00-14:00 HOUR	57.1	81.8	50.9
14:00-15:00 HOUR	57.8	86.5	49.4
15:00-16:00 HOUR	56.2	85.3	51.3
16:00-17:00 HOUR	59.5	94.1	51.2
17:00-18:00 HOUR	64.6	88.1	59.6
18:00-19:00 HOUR	66.2	76.1	64.7
19:00-20:00 HOUR	68.2	95.1	63.1
20:00-21:00 HOUR	63.3	81.4	59.3
21:00-22:00 HOUR	60.9	90.1	55.1
22:00-23:00 HOUR	68.3	86.1	64.1
23:00-00:00 HOUR	66.0	94.0	62.7
00:00-01:00 HOUR	60.3	86.7	53.9
01:00-02:00 HOUR	53.6	85.0	47.0
02:00-03:00 HOUR	45.3	64.6	40.5
03:00-04:00 HOUR	46.1	68.6	40.3
04:00-05:00 HOUR	47.5	62.4	41.9
05:00-06:00 HOUR	50.7	62.6	42.9
06:00-07:00 HOUR	51.0	70.0	42.3
L_{Aeq} 24 hours	61.7		



TIME*	RESULT dB(A)		
	วัดหนองในฤๅติธรรม		
	NOVEMBER 16-17, 2024		
	T24BB385-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.5	76.8	45.2
08:00-09:00 HOUR	58.1	89.4	48.7
09:00-10:00 HOUR	51.2	70.3	45.9
10:00-11:00 HOUR	53.3	78.2	46.8
11:00-12:00 HOUR	53.5	75.7	44.8
12:00-13:00 HOUR	51.1	72.7	45.2
13:00-14:00 HOUR	50.8	71.9	44.3
14:00-15:00 HOUR	52.0	74.5	45.0
15:00-16:00 HOUR	52.2	71.4	44.6
16:00-17:00 HOUR	54.3	83.2	45.9
17:00-18:00 HOUR	51.6	80.1	46.2
18:00-19:00 HOUR	52.7	78.2	44.5
19:00-20:00 HOUR	49.0	82.0	43.1
20:00-21:00 HOUR	55.6	84.8	43.1
21:00-22:00 HOUR	47.9	66.7	45.1
22:00-23:00 HOUR	51.1	84.1	44.3
23:00-00:00 HOUR	55.0	83.6	41.7
00:00-01:00 HOUR	46.3	70.0	39.7
01:00-02:00 HOUR	42.1	60.4	39.2
02:00-03:00 HOUR	42.7	61.3	39.0
03:00-04:00 HOUR	44.2	61.3	38.4
04:00-05:00 HOUR	62.7	86.8	38.4
05:00-06:00 HOUR	51.4	66.4	40.7
06:00-07:00 HOUR	53.4	72.3	46.7
L _{Aeq} 24 hours		53.9	

TIME*	RESULT dB(A)		
	วัดหนองใหญ่ศิริธรรม		
	NOVEMBER 17-18, 2024		
	T24BB385-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.2	92.3	45.1
08:00-09:00 HOUR	56.6	80.6	45.2
09:00-10:00 HOUR	49.9	68.9	43.0
10:00-11:00 HOUR	51.9	65.3	44.3
11:00-12:00 HOUR	50.8	68.9	43.4
12:00-13:00 HOUR	51.2	68.7	44.7
13:00-14:00 HOUR	52.9	73.4	44.5
14:00-15:00 HOUR	51.5	69.8	44.4
15:00-16:00 HOUR	60.9	75.6	47.3
16:00-17:00 HOUR	56.9	80.4	45.0
17:00-18:00 HOUR	53.3	72.2	45.2
18:00-19:00 HOUR	52.4	77.8	43.1
19:00-20:00 HOUR	49.5	70.4	41.1
20:00-21:00 HOUR	48.2	65.3	39.9
21:00-22:00 HOUR	50.7	73.4	42.8
22:00-23:00 HOUR	46.7	62.0	40.5
23:00-00:00 HOUR	49.6	69.0	39.0
00:00-01:00 HOUR	52.0	72.1	44.4
01:00-02:00 HOUR	53.2	73.9	38.3
02:00-03:00 HOUR	54.5	60.6	44.5
03:00-04:00 HOUR	56.1	74.9	52.8
04:00-05:00 HOUR	64.2	87.7	52.5
05:00-06:00 HOUR	55.2	70.5	46.2
06:00-07:00 HOUR	57.9	84.4	45.0
L _{Aeq} 24 hours	55.7		

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 15-18, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 15-18, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: NOVEMBER 26, 2024
MEASURING SOURCE	: พื้นที่โครงการ	REPORT NO.	: 2024-U110508
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 15-18, 2024	ANALYSIS NO.	: T24BB385-0007 - T24BB385-0009
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR SAKSITHON NUMNIM		

TIME*	RESULT dB(A)		
	พื้นที่โครงการ		
	NOVEMBER 15-16, 2024		
	T24BB385-0007		
	LAeq 1 hour	LAmx 1 hour	LA90 1 hour
07:00-08:00 HOUR	62.0	78.2	61.2
08:00-09:00 HOUR	62.7	79.3	61.7
09:00-10:00 HOUR	63.4	80.5	62.9
10:00-11:00 HOUR	62.2	72.4	60.9
11:00-12:00 HOUR	62.3	76.4	61.4
12:00-13:00 HOUR	62.5	72.1	61.7
13:00-14:00 HOUR	64.6	71.0	63.9
14:00-15:00 HOUR	62.3	67.1	61.8
15:00-16:00 HOUR	62.1	69.9	61.4
16:00-17:00 HOUR	62.2	70.4	61.5
17:00-18:00 HOUR	62.1	74.2	61.5
18:00-19:00 HOUR	62.8	75.3	61.8
19:00-20:00 HOUR	65.9	73.0	63.0
20:00-21:00 HOUR	65.1	72.4	61.1
21:00-22:00 HOUR	62.9	67.8	62.2
22:00-23:00 HOUR	60.9	78.2	60.3
23:00-00:00 HOUR	62.4	67.6	60.8
00:00-01:00 HOUR	61.0	72.6	60.4
01:00-02:00 HOUR	62.9	74.6	62.5
02:00-03:00 HOUR	62.2	68.6	61.0
03:00-04:00 HOUR	64.3	75.5	62.8
04:00-05:00 HOUR	64.1	68.4	62.3
05:00-06:00 HOUR	65.0	68.4	64.1
06:00-07:00 HOUR	63.6	66.5	63.2
LAeq 24 hours		63.2	



TIME*	RESULT dB(A)		
	พื้นที่โครงการ		
	NOVEMBER 16-17, 2024		
	T24BB385-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.9	72.7	61.2
08:00-09:00 HOUR	61.1	70.1	60.2
09:00-10:00 HOUR	61.5	75.3	60.2
10:00-11:00 HOUR	61.8	76.1	61.0
11:00-12:00 HOUR	61.5	73.8	60.7
12:00-13:00 HOUR	61.2	69.6	60.6
13:00-14:00 HOUR	61.1	68.8	60.4
14:00-15:00 HOUR	61.2	69.2	60.4
15:00-16:00 HOUR	61.1	78.5	60.3
16:00-17:00 HOUR	62.8	72.1	60.4
17:00-18:00 HOUR	62.6	67.7	62.2
18:00-19:00 HOUR	63.5	69.3	62.1
19:00-20:00 HOUR	63.2	73.8	62.3
20:00-21:00 HOUR	63.0	68.4	61.9
21:00-22:00 HOUR	62.5	66.8	61.5
22:00-23:00 HOUR	62.4	71.6	61.8
23:00-00:00 HOUR	63.3	74.5	61.4
00:00-01:00 HOUR	61.8	65.9	61.2
01:00-02:00 HOUR	62.1	68.2	61.4
02:00-03:00 HOUR	62.3	66.9	61.6
03:00-04:00 HOUR	65.0	69.5	64.8
04:00-05:00 HOUR	64.2	67.5	63.6
05:00-06:00 HOUR	63.1	69.3	61.4
06:00-07:00 HOUR	63.0	70.1	61.2
L _{Aeq} 24 hours		62.5	

TIME*	RESULT dB(A)		
	พื้นที่โครงการ		
	NOVEMBER 17-18, 2024		
	T24BB385-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	63.7	67.4	63.0
08:00-09:00 HOUR	63.1	72.9	61.8
09:00-10:00 HOUR	61.5	71.0	60.3
10:00-11:00 HOUR	61.0	76.4	59.8
11:00-12:00 HOUR	61.0	71.8	59.8
12:00-13:00 HOUR	60.2	68.9	58.8
13:00-14:00 HOUR	61.1	67.0	60.2
14:00-15:00 HOUR	60.9	72.0	60.1
15:00-16:00 HOUR	64.9	74.8	61.2
16:00-17:00 HOUR	62.1	67.3	61.3
17:00-18:00 HOUR	62.2	66.6	61.5
18:00-19:00 HOUR	62.5	66.8	61.5
19:00-20:00 HOUR	63.2	66.9	62.6
20:00-21:00 HOUR	62.2	78.0	61.1
21:00-22:00 HOUR	62.7	71.1	61.9
22:00-23:00 HOUR	62.8	72.1	61.9
23:00-00:00 HOUR	65.4	72.7	61.9
00:00-01:00 HOUR	64.0	69.5	62.2
01:00-02:00 HOUR	62.0	77.1	61.0
02:00-03:00 HOUR	62.6	69.8	61.4
03:00-04:00 HOUR	62.8	70.6	61.6
04:00-05:00 HOUR	63.2	69.5	61.9
05:00-06:00 HOUR	63.9	67.5	63.2
06:00-07:00 HOUR	63.9	74.2	63.3
L _{Aeq} 24 hours	62.8		

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ภาคผนวก ค6
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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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : โรงบด/โม่แป้งสำหรับเลี้ยง
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 11, 2024
SAMPLING TIME : 09:05-17:05 HOUR
SAMPLING BY : MR PHUWADOL PENGMA
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 18, 2024
ANALYTICAL DATE : NOVEMBER 18-29, 2024
ISSUE DATE : DECEMBER 3, 2024
REPORT NO. : 2024-U113198
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB046-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			โรงบด/โม่แป้งสำหรับเลี้ยง T24BB046-0002
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	< 0.060
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.038
ETHANOL ^b	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	0.327
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 18, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 18-29, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: DECEMBER 3, 2024
SAMPLING SOURCE	: อาคารหมัก	REPORT NO.	: 2024-U113200
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-000154
SAMPLING DATE	: NOVEMBER 11, 2024	ANALYSIS NO.	: T24BB046-0003
SAMPLING TIME	: 09:10-17:10 HOUR		
SAMPLING BY	: MR PHUWADOL PENGMA		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			อาคารหมัก T24BB046-0003
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.067
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.025
ETHANOL ^b	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	4.03
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PLC. (ETHANOL)	RECEIVED DATE	: NOVEMBER 18, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 18-29, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@pscstarch.com	ISSUE DATE	: DECEMBER 3, 2024
SAMPLING SOURCE	: อาคารจ่ายผลิตภัณฑ์	REPORT NO.	: 2024-U113201
SAMPLE TYPE	: WORKPLACE	WORK NO.	: 2024-000154
SAMPLING DATE	: NOVEMBER 11, 2024	ANALYSIS NO.	: T24BB046-0004
SAMPLING TIME	: 09:23-17:23 HOUR		
SAMPLING BY	: MR PHUWADOL PENGMA		
ANALYZED BY	: MISS JETJARIN TUMSA-AT		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			อาคารจ่ายผลิตภัณฑ์ T24BB046-0004
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	< 0.060
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.016
ETHANOL ^b	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	0.419
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
SAMPLING SOURCE : โรงกลั่นเอทานอล
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 11, 2024
SAMPLING TIME : 09:30-09:50 HOUR
SAMPLING BY : MR PHUWADOL PENGMA
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 18, 2024
ANALYTICAL DATE : NOVEMBER 18-29, 2024
ISSUE DATE : DECEMBER 3, 2024
REPORT NO. : 2024-U113205
WORK NO. : 2024-000154
ANALYSIS NO. : T24BB046-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			โรงกลั่นเอทานอล T24BB046-0005
ETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1400)	14.9
SAMPLE CONDITION			COMPLETE

REMARK

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

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

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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
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (AIR) **RECEIVED DATE** : NOVEMBER 11, 2024
MEASURING DATE : NOVEMBER 11, 2024 **ANALYTICAL DATE** : NOVEMBER 11, 2024
MEASURING TIME : * **ISSUE DATE** : NOVEMBER 21, 2024
MEASURING EQUIPMENT : TVOC ANALYZER **REPORT NO.** : 2024-U108565
MEASURED BY : MR PHUWADOL PENGMA **WORK NO.** : 2024-000154
ANALYSIS NO. : T24BB046-0002 - T24BB046-0004

ANALYSIS NO.	MEASURING SITE	TIME*	RESULT (ppm)
			TOTAL VOLATILE ORGANIC COMPOUNDS
T24BB046-0002	โรงบด/โม่แป้งสำหรับ	09:05-17:05 HOUR	0.1
T24BB046-0003	อาคารหมัก	09:10-17:10 HOUR	0.2
T24BB046-0004	อาคารจ่ายผลิตภัณฑ์	09:23-17:23 HOUR	0.2

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



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ระดับเสียงในสถานประกอบการ



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	RECEIVED DATE	: NOVEMBER 11-12, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 11-12, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: NOVEMBER 22, 2024
MEASURING PLACE	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	REPORT NO.	: 2024-U108569
MEASURING TYPE	: WORKPLACE (NOISE)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 11-12, 2024	ANALYSIS NO.	: T24BB048-0001
MEASURING TIME	: *		
MEASURING EQUIPMENT	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MISS PIYANATCHAYA SAMPAOPHONG		

TIME*	RESULT (dB(A))		
	โรงบด/โม่วัตถุดิบ (เครื่องบดโม้มน้ำปะหลัง)		
	NOVEMBER 11-12, 2024		
	T24BB048-0001		
	LAeq 1 hours	LAmx 1 hours	LAeq 8 hours
09:05-10:05 HOUR	84.7	88.2	-
10:05-11:05 HOUR	84.5	90.6	-
11:05-12:05 HOUR	84.4	90.9	-
12:05-13:05 HOUR	84.5	90.0	-
13:05-14:05 HOUR	84.2	88.5	-
14:05-15:05 HOUR	82.9	89.0	-
15:05-16:05 HOUR	84.4	94.1	-
16:05-17:05 HOUR	84.6	88.3	84.3
17:05-18:05 HOUR	84.0	89.8	-
18:05-19:05 HOUR	84.1	89.3	-
19:05-20:05 HOUR	84.4	92.8	-
20:05-21:05 HOUR	85.3	91.7	-
21:05-22:05 HOUR	85.5	95.4	-
22:05-23:05 HOUR	85.5	87.8	-
23:05-00:05 HOUR	84.6	87.3	-
00:05-01:05 HOUR	85.3	88.4	84.9
01:05-02:05 HOUR	85.8	88.0	-
02:05-03:05 HOUR	85.6	88.9	-
03:05-04:05 HOUR	84.8	87.9	-
04:05-05:05 HOUR	84.6	86.3	-
05:05-06:05 HOUR	84.5	89.3	-
06:05-07:05 HOUR	84.6	91.1	-
07:05-08:05 HOUR	84.7	90.2	-
08:05-09:05 HOUR	84.4	88.7	84.9
LAeq 24 hours	84.7		

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(MR NATTAWAT DANGSAWAT)

LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	RECEIVED DATE	: NOVEMBER 11-12, 2024
ADDRESS	: 999 MOO 5 NONG YAI NONG YAI CHON BURI 20190	ANALYTICAL DATE	: NOVEMBER 11-12, 2024
CONTACT INFORMATION	: TEL : 062 665 7691 e-mail : envi_psc@psctarch.com	ISSUE DATE	: NOVEMBER 22, 2024
MEASURING PLACE	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED	REPORT NO.	: 2024-U108570
MEASURING TYPE	: WORKPLACE (NOISE)	WORK NO.	: 2024-000154
MEASURING DATE	: NOVEMBER 11-12, 2024	ANALYSIS NO.	: T24BB048-0002
MEASURING TIME	: *		
MEASURING EQUIPMENT	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MISS PIYANATCHAYA SAMPAOPHONG		

TIME*	RESULT (dB(A))		
	BOILER		
	NOVEMBER 11-12, 2024		
	T24BB048-0002		
	LAeq 1 hours	LAmx 1 hours	LAeq 8 hours
09:00-10:00 HOUR	75.1	89.2	-
10:00-11:00 HOUR	74.3	83.7	-
11:00-12:00 HOUR	75.0	84.9	-
12:00-13:00 HOUR	73.1	80.5	-
13:00-14:00 HOUR	73.5	84.1	-
14:00-15:00 HOUR	73.9	84.7	-
15:00-16:00 HOUR	73.3	83.5	-
16:00-17:00 HOUR	73.1	80.1	74.0
17:00-18:00 HOUR	73.7	83.5	-
18:00-19:00 HOUR	73.8	80.2	-
19:00-20:00 HOUR	74.4	85.7	-
20:00-21:00 HOUR	74.2	93.1	-
21:00-22:00 HOUR	74.0	81.6	-
22:00-23:00 HOUR	74.2	80.7	-
23:00-00:00 HOUR	73.1	81.3	-
00:00-01:00 HOUR	72.8	82.4	73.8
01:00-02:00 HOUR	72.2	78.8	-
02:00-03:00 HOUR	72.7	83.2	-
03:00-04:00 HOUR	72.4	79.7	-
04:00-05:00 HOUR	71.9	77.7	-
05:00-06:00 HOUR	73.0	85.2	-
06:00-07:00 HOUR	74.6	82.3	-
07:00-08:00 HOUR	74.2	85.0	-
08:00-09:00 HOUR	74.3	84.1	73.3
LAeq 24 hours	73.7		

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (NOISE) **RECEIVED DATE** : NOVEMBER 11, 2024
MEASURING DATE : NOVEMBER 11, 2024 **ANALYTICAL DATE** : NOVEMBER 11, 2024
MEASURING TIME : * **ISSUE DATE** : NOVEMBER 21, 2024
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER **REPORT NO.** : 2024-U108571
MEASURED BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-000154
ANALYSIS NO. : T24BB049-0001 - T24BB049-0002

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT (dB(A))	
			L _{Aeq} 8 hours	L _{Amax} 8 hours
T24BB049-0001	โรงบด/ไม่วัดฤดูบ (เครื่องบดไม้ผืนส่าปะหลัง)	09:05-17:05	84.3	94.1
T24BB049-0002	BOILER	09:00-17:00	73.2	84.9

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



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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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (HEAT STRESS) **RECEIVED DATE** : NOVEMBER 11, 2024
MEASURING DATE : NOVEMBER 11, 2024 **ANALYTICAL DATE** : NOVEMBER 11, 2024
MEASURING TIME : * **ISSUE DATE** : NOVEMBER 21, 2024
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE **REPORT NO.** : 2024-U108566
MEASURED BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-000154
ANALYSIS NO. : T24BB047-0001, T24BB047-0003, T24BB047-0005

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB	DB	GT	WBGT	WBGT AVG
T24BB047-0001	โรงบด/โม่วัตถุดิบ (คุณแรมจันทร อนุกุล)	10:00 - 12:00 HOUR	23.8	30.4	30.9	25.9	25.9
T24BB047-0003	อาคารหมัก (คุณวิชัย ชนพินาย)	10:00 - 11:00 HOUR	24.0	30.9	31.9	26.4	26.3
		11:00 - 12:00 HOUR	24.3	30.2	30.5	26.2	
T24BB047-0005	อาคารจ่ายผลิตภัณฑ์ (คุณต้นศักดิ์ อยู่ปาน)	10:20 - 12:00 HOUR	23.9	30.7	32.8	26.5	26.6
		12:00 - 12:20 HOUR	24.3	31.1	33.1	26.9	

(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 : 062 665 7691 e-mail : envi_psc@pscstarch.com
MEASURING PLACE : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (HEAT STRESS) **RECEIVED DATE** : NOVEMBER 12, 2024
MEASURING DATE : NOVEMBER 12, 2024 **ANALYTICAL DATE** : NOVEMBER 12, 2024
MEASURING TIME : * **ISSUE DATE** : NOVEMBER 21, 2024
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE **REPORT NO.** : 2024-U108567
MEASURED BY : MISS PIYANATCHAYA SAMPAOPHONG **WORK NO.** : 2024-000154
ANALYSIS NO. : T24BB047-0002, T24BB047-0004

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB	DB	GT	WBGT	WBGT AVG
T24BB047-0002	หม้อต้ม (คุณสุรศักดิ์ ศรีอนันต์)	10:00 - 11:00 HOUR	24.4	31.4	32.3	26.7	26.5
		11:00 - 12:00 HOUR	24.4	29.9	31.0	26.3	
T24BB047-0004	โรงกลั่นและแยกน้ำ (คุณไพพรรณ์ ยะเพชรธา)	10:10 - 11:10 HOUR	24.8	33.6	42.7	30.1	28.3
		11:10 - 12:10 HOUR	24.4	30.0	31.0	26.4	

(MUK NAI JAWAI DANGSAWAT)
LABORATORY SUPERVISOR

