

ภาคผนวกที่ 3

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม

1. คุณภาพอากาศในบรรยากาศ
2. ความเร็วและทิศทางลม
3. ระดับเสียงในบรรยากาศ
4. คุณภาพอากาศจากปล่องระบาย
5. คุณภาพอากาศในพื้นที่ทำงาน
6. ระดับเสียงในพื้นที่ทำงาน
7. ระดับความร้อน
8. ระดับความเข้มแสงสว่าง
9. คุณภาพน้ำทิ้ง
10. คุณภาพน้ำใต้ดิน
11. คุณภาพน้ำผิวดิน

คุณภาพอากาศในบรรยากาศ



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF. NO. : PM 67/0499

REPORT NO. : 030561/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED								
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190								
COORDINATOR	:	ENVIRONMENT DEPARTMENT								
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733								
Sampling Date	:	08-15/05/2024			Report Date	:	31/05/2024			
Received Date	:	17/05/2024			Sampling By	:	Mr.Jirayut Seehabut			
Analytical Date	:	17-29/05/2024			Analyst By	:	Miss Siriwan Boonpeng			
Sampling Condition										
Atmospheric Pressure (mmHg)		:	756		Ambient Temperature (°C)		:	33		
Parameter	Method of Analysis	Result							Result	Standard
		Nong Yai Siri Worawat Witthaya School								
		(UTM : 47P 0756029 E, 1454762 N)								
		May 2024								
		08-09	09-10	10-11	11-12	12-13	13-14	14-15		
Total Suspended Particulate	Gravimetric Method (US.EPA 802)	0.024	0.020	0.016	0.038	0.027	0.018	0.025	0.33	mg/m ³

Standard : Notification of the National Environment Board, No.24, B.E.2547

31/05/2024

Analysis results refer to submitted sample(s) only

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ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030562/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED								
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190								
COORDINATOR	:	ENVIRONMENT DEPARTMENT								
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733								
Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024					
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut					
Analytical Date	:	17-29/05/2024	Analyst By	:	Miss Siriwan Boonpeng					
Sampling Condition										
Atmospheric Pressure (mmHg)		:	756	Ambient Temperature (°C)		:	33			
Parameter	Method of Analysis	Result							Result	Standard
		Ban Nong Ya Plong								
		(UMT : 47P 0753155 E, 1453175 N)								
		May 2024								
		08-09	09-10	10-11	11-12	12-13	13-14	14-15		
Total Suspended Particulate	Gravimetric Method (US.EPA 802)	0.031	0.034	0.028	0.039	0.050	0.026	0.036	0.33	mg/m ³

Standard : Notification of the National Environment Board, No.24, B.E.2547



Technical Manager

31/05/2024

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 030563/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED								
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190								
COORDINATOR	:	ENVIRONMENT DEPARTMENT								
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733								
Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024					
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut					
Analytical Date	:	17-29/05/2024	Analyst By	:	Miss Siriwan Boonpeng					
Sampling Condition										
Atmospheric Pressure (mmHg)		:	756	Ambient Temperature (°C)		:	33			
Parameter	Method of Analysis	Result							Result	Standard
		Ban Nong Suea Chang								
		(UTM : 47P 0753494 E, 1453361 N)								
		May 2024								
		08-09	09-10	10-11	11-12	12-13	13-14	14-15		
Total Suspended Particulate	Gravimetric Method (US.EPA 802)	0.019	0.026	0.022	0.030	0.032	0.027	0.035	0.33	mg/m ³

Standard : Notification of the National Environment Board, No.24, B.E.2547

Technical Manager

31/05/2024



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ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030564/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED								
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190								
COORDINATOR	:	ENVIRONMENT DEPARTMENT								
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733								
Sampling Date	:	08-15/05/2024			Report Date	:	31/05/2024			
Received Date	:	17/05/2024			Sampling By	:	Mr.Jirayut Seehabut			
Analytical Date	:	17-29/05/2024			Analyst By	:	Miss Siriwan Boonpeng			
Sampling Condition										
Atmospheric Pressure (mmHg)		:	756			Ambient Temperature (°C)		:	33	
Parameter	Method of Analysis	Result							Result	Standard
		Insect-borne disease control unit								
		(UTM : 47P 0757911 E, 1455293 N)								
		May 2024								
		08-09	09-10	10-11	11-12	12-13	13-14	14-15		
Total Suspended Particulate	Gravimetric Method (US.EPA 802)	0.032	0.019	0.022	0.027	0.034	0.021	0.030	0.33	mg/m ³

Standard : Notification of the National Environment Board, No.24, B.E.2547

Technical Manager

31/05/2024



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REF .NO. : PM 67/0499

REPORT NO. : 030566/2024

ORIGINAL

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

Parameter	Time	Result						
		Nong Yai Siri Worawat Witthaya School (UTM : 47P 0756029 E, 1454762 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Nitrogen Dioxide	11:00 a.m.-00:00 p.m.	1.3	<u>1.5</u>	1.4	<u>1.5</u>	<u>1.5</u>	1.4	1.4
	00:00 p.m.-01:00 p.m.	1.3	1.2	1.3	1.4	<u>1.5</u>	1.4	1.4
	01:00 p.m.-02:00 p.m.	1.2	1.2	1.3	1.5	1.4	1.5	1.4
	02:00 p.m.-03:00 p.m.	1.3	1.4	1.3	1.4	1.3	1.5	<u>1.5</u>
	03:00 p.m.-04:00 p.m.	1.4	1.4	1.4	1.4	1.2	<u>1.6</u>	1.4
	04:00 p.m.-05:00 p.m.	1.4	1.4	1.4	<u>1.5</u>	1.4	1.4	1.4
	05:00 p.m.-06:00 p.m.	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	06:00 p.m.-07:00 p.m.	1.3	1.2	1.4	1.4	1.4	1.4	1.4
	07:00 p.m.-08:00 p.m.	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	08:00 p.m.-09:00 p.m.	1.4	1.4	1.4	1.4	1.3	1.4	1.4
	09:00 p.m.-10:00 p.m.	1.3	1.4	1.3	1.4	1.4	1.4	1.4
	10:00 p.m.-11:00 p.m.	1.4	1.4	1.4	1.4	1.3	1.3	1.4
	11:00 p.m.-00:00 a.m.	1.3	1.4	1.4	1.3	1.3	1.4	1.4
	00:00 a.m.-01:00 a.m.	1.2	1.4	1.4	1.4	1.3	1.4	1.3
	01:00 a.m.-02:00 a.m.	1.4	1.4	1.4	1.3	1.4	1.4	1.4
	02:00 a.m.-03:00 a.m.	1.4	1.4	1.4	1.4	1.4	1.3	1.4
	03:00 a.m.-04:00 a.m.	1.4	1.3	1.4	1.4	1.3	1.4	1.4
	04:00 a.m.-05:00 a.m.	1.4	1.4	1.3	1.4	1.4	1.4	1.4
	05:00 a.m.-06:00 a.m.	1.4	1.4	1.4	1.4	1.3	1.3	1.4
	06:00 a.m.-07:00 a.m.	1.4	1.4	1.4	1.4	1.3	1.4	1.4
	07:00 a.m.-08:00 a.m.	1.4	1.4	1.4	1.4	1.3	1.4	1.4
	08:00 a.m.-09:00 a.m.	1.3	1.2	1.4	1.4	1.4	1.4	1.4
	09:00 a.m.-10:00 a.m.	<u>1.5</u>	1.3	<u>1.5</u>	1.4	1.4	1.4	1.4
	10:00 a.m.-11:00 a.m.	1.3	1.3	<u>1.5</u>	1.4	<u>1.5</u>	1.4	1.3
Average 1 hour max		1.5	1.5	1.5	1.5	1.5	1.6	1.5
Average 1 hour Minimum		1.2	1.2	1.3	1.3	1.2	1.3	1.3
Average 24 hour		1.3	1.3	1.4	1.4	1.4	1.4	1.4
Standard 1 hour		170						
Standard 24 hour		-						
Unit		ppb						

Remark : Analytical Method = Chemiluminescence Method (US EPA REF. 1104.000)

Standard : Notification of the Na

- = No standard.

Approved Signature

31/05/2024



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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030567/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut
Analytical Date	:	17-29/05/2024	Analyst By	:	-

Sampling Condition

Atmospheric Pressure (mmHg)	:	756	Ambient Temperature (°C)	:	33
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Parameter		Result						
		Ban Nong Ya Plong (UMT : 47P 0753155 E, 1453175 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Nitrogen Dioxide	00:00 p.m.-01:00 p.m.	1.2	1.1	1.2	1.3	1.4	1.4	1.4
	01:00 p.m.-02:00 p.m.	1.1	1.1	1.2	1.4	1.4	1.4	1.4
	02:00 p.m.-03:00 p.m.	1.2	1.3	1.2	1.3	1.2	1.4	1.3
	03:00 p.m.-04:00 p.m.	1.3	1.3	1.3	1.3	1.2	1.5	1.3
	04:00 p.m.-05:00 p.m.	1.3	1.3	1.3	1.4	1.3	1.3	1.3
	05:00 p.m.-06:00 p.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	06:00 p.m.-07:00 p.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	07:00 p.m.-08:00 p.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	08:00 p.m.-09:00 p.m.	1.3	1.3	1.3	1.3	1.2	1.3	1.3
	09:00 p.m.-10:00 p.m.	1.2	1.3	1.2	1.3	1.3	1.3	1.3
	10:00 p.m.-11:00 p.m.	1.3	1.3	1.3	1.3	1.2	1.2	1.3
	11:00 p.m.-00:00 a.m.	1.2	1.3	1.3	1.3	1.2	1.3	1.3
	00:00 a.m.-01:00 a.m.	1.2	1.3	1.3	1.3	1.2	1.3	1.2
	01:00 a.m.-02:00 a.m.	1.3	1.3	1.3	1.2	1.3	1.3	1.3
	02:00 a.m.-03:00 a.m.	1.3	1.3	1.3	1.3	1.3	1.2	1.3
	03:00 a.m.-04:00 a.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	04:00 a.m.-05:00 a.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	05:00 a.m.-06:00 a.m.	1.3	1.3	1.3	1.3	1.2	1.2	1.3
	06:00- a.m.-07:00 a.m.	1.3	1.3	1.3	1.3	1.2	1.3	1.3
	07:00 a.m.-08:00 a.m.	1.3	1.3	1.3	1.3	1.2	1.3	1.3
	08:00 a.m.-09:00 a.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	09:00 a.m.-10:00 a.m.	1.4	1.2	1.4	1.3	1.3	1.3	1.3
	10:00 a.m.-11:00 a.m.	1.2	1.2	1.4	1.3	1.3	1.3	1.2
	11:00 a.m.-00:00 p.m.	1.4	1.5	1.4	1.4	1.4	1.3	1.2
Average 1 hour max		1.4	1.5	1.4	1.4	1.4	1.5	1.4
Average 1 hour Minimum		1.1	1.1	1.2	1.2	1.2	1.2	1.2
Average 24 hour		1.3	1.3	1.3	1.3	1.3	1.3	1.3
Standard 1 hour		170						
Standard 24 hour		-						
Unit		ppb						

Remark : Analytical Method

Standard : Notification of the

- = No standard.

Approved Signature

31/05/2024

COMPANY

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ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030568/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED						
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190						
COORDINATOR	:	ENVIRONMENT DEPARTMENT						
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733						
Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024			
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut			
Analytical Date	:	17-29/05/2024	Analyst By	:	-			
Sampling Condition								
Atmospheric Pressure (mmHg)		:	756	Ambient Temperature (°C)		:	33	
Parameter	Time	Result						
		Ban Nong Suea Chang (UTM : 47P 0753494 E, 1453361 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Nitrogen Dioxide	00:00 p.m.-01:00 p.m.	1.3	1.4	2.0	1.3	1.3	1.3	1.3
	01:00 p.m.-02:00 p.m.	1.3	1.3	2.3	1.4	1.3	1.3	1.3
	02:00 p.m.-03:00 p.m.	1.7	1.3	2.7	1.3	1.3	1.3	1.3
	03:00 p.m.-04:00 p.m.	1.4	1.4	3.3	1.3	1.3	1.3	1.3
	04:00 p.m.-05:00 p.m.	1.6	1.7	2.5	1.3	1.3	1.3	1.3
	05:00 p.m.-06:00 p.m.	1.7	1.6	2.5	1.3	1.3	1.4	1.4
	06:00 p.m.-07:00 p.m.	1.3	1.8	2.1	1.3	1.3	1.3	1.4
	07:00 p.m.-08:00 p.m.	1.3	1.4	1.9	1.3	1.3	1.3	1.4
	08:00 p.m.-09:00 p.m.	1.4	1.4	1.4	1.3	1.3	1.3	1.4
	09:00 p.m.-10:00 p.m.	1.4	1.4	1.3	1.3	1.3	1.3	1.4
	10:00 p.m.-11:00 p.m.	1.1	1.5	1.3	1.3	1.3	1.3	1.4
	11:00 p.m.-00:00 a.m.	1.2	1.3	1.3	1.3	1.3	1.3	1.4
	00:00 a.m.-01:00 a.m.	1.4	1.1	1.4	1.3	1.3	1.3	1.4
	01:00 a.m.-02:00 a.m.	1.3	1.3	1.3	1.3	1.3	1.3	1.4
	02:00 a.m.-03:00 a.m.	1.5	1.9	1.3	1.3	1.2	1.3	1.3
	03:00 a.m.-04:00 a.m.	1.4	1.6	1.4	1.3	1.3	1.3	1.3
	04:00 a.m.-05:00 a.m.	1.4	2.1	1.3	1.3	1.3	1.3	1.3
	05:00 a.m.-06:00 a.m.	1.4	1.9	1.3	1.3	1.3	1.3	1.3
	06:00 a.m.-07:00 a.m.	1.4	1.8	1.3	1.3	1.3	1.3	1.3
	07:00 a.m.-08:00 a.m.	1.4	2.8	1.4	1.3	1.6	1.2	1.3
	08:00 a.m.-09:00 a.m.	1.4	2.6	1.3	1.3	1.3	1.3	1.3
	09:00 a.m.-10:00 a.m.	1.4	1.5	1.3	1.3	1.3	1.3	1.3
	10:00 a.m.-11:00 a.m.	1.4	1.3	1.3	1.3	1.3	1.3	1.3
	11:00 a.m.-00:00 p.m.	1.4	1.7	1.3	1.3	1.3	1.3	1.3
Average 1 hour max		1.7	2.8	3.3	1.4	1.6	1.4	1.4
Average 1 hour Minimum		1.1	1.1	1.3	1.3	1.2	1.2	1.3
Average 24 hour		1.4	1.6	1.7	1.3	1.3	1.3	1.3
Standard 1 hour		170						
Standard 24 hour		-						
Unit		ppb						

Remark : Analytical Method

Standard : Notification of the

- = No standard.

Approved Signature

31/05/2024

Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 030569/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED						
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190						
COORDINATOR	:	ENVIRONMENT DEPARTMENT						
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733						
Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024			
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut			
Analytical Date	:	17-29/05/2024	Analyst By	:	-			
Sampling Condition								
Atmospheric Pressure (mmHg)		:	756	Ambient Temperature (°C)		:	33	
Parameter	Time	Result						
		Insect-borne disease control unit (UTM : 47P 0757911 E, 1455293 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Nitrogen Dioxide	00:00 p.m.-01:00 p.m.	1.6	1.3	1.6	1.3	1.2	1.2	1.2
	01:00 p.m.-02:00 p.m.	1.3	1.3	1.9	1.2	1.2	1.2	1.2
	02:00 p.m.-03:00 p.m.	1.2	1.3	2.2	1.2	1.2	1.2	1.2
	03:00 p.m.-04:00 p.m.	1.6	1.2	2.6	1.2	1.2	1.2	1.2
	04:00 p.m.-05:00 p.m.	1.3	1.3	3.2	1.2	1.2	1.2	1.2
	05:00 p.m.-06:00 p.m.	1.5	1.6	2.4	1.3	1.2	1.4	1.2
	06:00 p.m.-07:00 p.m.	1.6	1.5	2.4	1.2	1.2	1.4	1.3
	07:00 p.m.-08:00 p.m.	1.2	1.7	2.0	1.2	1.2	1.2	1.3
	08:00 p.m.-09:00 p.m.	1.2	1.3	1.8	1.2	1.2	1.2	1.3
	09:00 p.m.-10:00 p.m.	1.3	1.3	1.3	1.2	1.2	1.2	1.3
	10:00 p.m.-11:00 p.m.	1.3	1.3	1.2	1.2	1.2	1.2	1.3
	11:00 p.m.-00:00 a.m.	1.0	1.4	1.2	1.2	1.2	1.2	1.3
	00:00 a.m.-01:00 a.m.	1.1	1.2	1.2	1.2	1.2	1.2	1.3
	01:00 a.m.-02:00 a.m.	1.3	1.0	1.3	1.2	1.2	1.2	1.3
	02:00 a.m.-03:00 a.m.	1.2	1.2	1.2	1.2	1.2	1.2	1.3
	03:00 a.m.-04:00 a.m.	1.4	1.8	1.2	1.2	1.2	1.2	1.2
	04:00 a.m.-05:00 a.m.	1.3	1.5	1.3	1.2	1.2	1.2	1.2
	05:00 a.m.-06:00 a.m.	1.3	2.0	1.2	1.2	1.2	1.2	1.2
	06:00 a.m.-07:00 a.m.	1.3	1.8	1.2	1.2	1.2	1.2	1.2
	07:00 a.m.-08:00 a.m.	1.3	1.7	1.2	1.2	1.2	1.2	1.2
	08:00 a.m.-09:00 a.m.	1.3	2.7	1.3	1.2	1.5	1.1	1.2
	09:00 a.m.-10:00 a.m.	1.3	2.5	1.2	1.2	1.2	1.2	1.2
	10:00 a.m.-11:00 a.m.	1.3	1.4	1.2	1.2	1.2	1.2	1.2
	11:00 a.m.-00:00 p.m.	1.3	1.2	1.2	1.2	1.2	1.2	1.2
Average 1 hour max		1.6	2.7	3.2	1.3	1.5	1.4	1.3
Average 1 hour Minimum		1.0	1.0	1.2	1.2	1.2	1.1	1.2
Average 24 hour		1.3	1.5	1.6	1.2	1.2	1.2	1.2
Standard 1 hour		170						
Standard 24 hour		-						
Unit		ppb						

Remark : Analytical Method
Standard : Notification of the
- = No standard.

Approved Signature

31/05/2024

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 030570/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED						
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190						
COORDINATOR	:	ENVIRONMENT DEPARTMENT						
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733						
Sampling Date	:	08-15/05/2024		Report Date	:	31/05/2024		
Received Date	:	17/05/2024		Sampling By	:	Mr.Jirayut Seehabut		
Analytical Date	:	17-29/05/2024		Analyst By	:	-		
Sampling Condition								
Atmospheric Pressure (mmHg)		:	756	Ambient Temperature (°C)		:	33	
Parameter	Time	Result						
		Nong Yai Siri Worawat Witthaya School (UTM : 47P 0756029 E, 1454762 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Sulfur Dioxide	11:00 a.m.-00:00 p.m.	1.6	1.5	1.7	1.8	1.6	1.3	1.5
	00:00 p.m.-01:00 p.m.	<u>1.7</u>	1.2	<u>1.8</u>	2.0	<u>1.8</u>	1.4	1.3
	01:00 p.m.-02:00 p.m.	1.6	1.6	<u>1.8</u>	2.0	1.1	1.4	1.6
	02:00 p.m.-03:00 p.m.	1.6	1.5	1.6	<u>2.2</u>	<u>1.8</u>	1.4	2.0
	03:00 p.m.-04:00 p.m.	1.5	1.3	1.4	1.7	1.6	1.4	1.9
	04:00 p.m.-05:00 p.m.	1.4	1.2	1.3	1.8	1.6	1.3	1.7
	05:00 p.m.-06:00 p.m.	1.3	1.2	1.2	1.8	1.5	1.5	1.7
	06:00 p.m.-07:00 p.m.	1.2	1.2	1.3	1.7	1.5	1.4	<u>2.1</u>
	07:00 p.m.-08:00 p.m.	1.3	1.3	1.4	1.7	1.4	1.5	1.6
	08:00 p.m.-09:00 p.m.	1.3	1.2	1.5	1.7	1.4	1.5	1.1
	09:00 p.m.-10:00 p.m.	1.3	1.2	1.6	1.8	1.6	1.4	1.2
	10:00 p.m.-11:00 p.m.	1.2	1.3	1.6	1.8	1.6	1.4	1.2
	11:00 p.m.-00:00 a.m.	1.2	1.2	1.6	1.6	<u>1.8</u>	1.4	1.2
	00:00 a.m.-01:00 a.m.	1.2	1.2	1.5	1.6	1.2	1.3	1.3
	01:00 a.m.-02:00 a.m.	1.3	1.2	1.5	1.6	1.2	1.2	1.2
	02:00 a.m.-03:00 a.m.	1.2	1.2	1.4	1.7	1.3	1.2	1.2
	03:00 a.m.-04:00 a.m.	1.3	1.2	1.2	1.8	1.2	1.1	1.5
	04:00 a.m.-05:00 a.m.	1.3	1.2	1.1	1.8	1.1	1.1	1.6
	05:00 a.m.-06:00 a.m.	1.2	1.1	1.1	1.5	1.2	1.3	1.5
	06:00- a.m-07:00 a.m.	1.3	1.2	1.0	1.8	1.3	1.4	1.5
	07:00 a.m.-08:00 a.m.	1.2	1.1	1.0	1.9	1.3	<u>1.9</u>	1.6
	08:00 a.m.-09:00 a.m.	1.4	1.3	1.6	1.8	1.3	1.4	1.6
	09:00 a.m.-10:00 a.m.	1.2	1.4	1.7	1.8	1.3	1.4	1.1
	10:00 a.m.-11:00 a.m.	1.3	<u>1.8</u>	<u>1.8</u>	1.4	1.3	1.6	1.1
Average 1 hour max		1.7	1.8	1.8	2.2	1.8	1.9	2.1
Average 1 hour Minimum		1.2	1.1	1.0	1.4	1.1	1.1	1.1
Average 24 hour		1.3	1.3	1.4	1.8	1.4	1.4	1.5
Standard 1 hour		-						
Standard 24 hour		120						
Unit		ppb						

Remark : Analytical Method

Standard : Notification of the

- = No standard.

Approved Signature

31/05/2024

Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499
REPORT NO. : 030571/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED						
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190						
COORDINATOR	:	ENVIRONMENT DEPARTMENT						
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733						
Sampling Date	:	08-15/05/2024			Report Date	:	31/05/2024	
Received Date	:	17/05/2024			Sampling By	:	Mr.Jirayut Seehabut	
Analytical Date	:	17-29/05/2024			Analyst By	:	-	
Sampling Condition								
Atmospheric Pressure (mmHg)		:	756		Ambient Temperature (°C)		:	33
Parameter	Time	Result						
		Ban Nong Ya Plong (UTM : 47P 0753155 E, 1453175 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Sulfur Dioxide	00:00 p.m.-01:00 p.m.	<u>1.8</u>	1.4	1.5	2.7	2.1	1.7	1.5
	01:00 p.m.-02:00 p.m.	1.7	1.6	1.7	2.7	1.4	1.6	1.8
	02:00 p.m.-03:00 p.m.	1.7	1.7	1.8	<u>2.8</u>	<u>2.5</u>	1.6	2.2
	03:00 p.m.-04:00 p.m.	1.6	1.6	1.7	2.3	2.4	1.7	2.7
	04:00 p.m.-05:00 p.m.	1.5	1.4	1.6	2.1	2.3	1.5	2.4
	05:00 p.m.-06:00 p.m.	1.4	1.3	1.4	2.1	2.2	1.7	2.4
	06:00 p.m.-07:00 p.m.	1.3	1.2	1.6	2.0	2.3	1.6	<u>2.8</u>
	07:00 p.m.-08:00 p.m.	1.2	1.3	1.6	2.0	2.1	1.7	2.4
	08:00 p.m.-09:00 p.m.	1.3	1.3	1.8	1.9	2.2	1.8	1.8
	09:00 p.m.-10:00 p.m.	1.3	1.3	1.9	2.0	2.4	1.7	2.0
	10:00 p.m.-11:00 p.m.	1.2	1.4	1.9	2.0	2.3	1.7	2.0
	11:00 p.m.-00:00 a.m.	1.2	1.3	1.8	1.9	2.0	1.6	2.0
	00:00 a.m.-01:00 a.m.	1.2	1.3	1.8	1.8	1.3	1.5	2.1
	01:00 a.m.-02:00 a.m.	1.3	1.2	1.7	1.8	1.3	1.4	1.9
	02:00 a.m.-03:00 a.m.	1.2	1.3	1.6	2.0	1.3	1.4	2.0
	03:00 a.m.-04:00 a.m.	1.3	1.3	1.4	2.0	1.3	1.4	1.7
	04:00 a.m.-05:00 a.m.	1.3	1.3	1.4	2.1	1.3	1.3	1.9
	05:00 a.m.-06:00 a.m.	1.3	1.2	1.3	2.3	1.4	1.6	1.8
	06:00- a.m-07:00 a.m.	1.3	1.3	1.3	2.6	1.6	2.1	1.8
	07:00 a.m.-08:00 a.m.	1.2	1.2	1.3	2.7	1.6	<u>2.7</u>	1.9
	08:00 a.m.-09:00 a.m.	1.4	1.3	1.8	2.6	1.6	2.1	1.9
	09:00 a.m.-10:00 a.m.	1.5	1.5	1.9	2.0	1.6	2.2	1.3
	10:00 a.m.-11:00 a.m.	1.6	<u>2.0</u>	<u>2.5</u>	1.6	1.5	1.8	1.7
	11:00 a.m.-00:00 p.m.	1.7	1.9	<u>2.5</u>	1.8	1.6	1.8	1.8
Average 1 hour max		1.8	2.0	2.5	2.8	2.5	2.7	2.8
Average 1 hour Minimum		1.2	1.2	1.3	1.6	1.3	1.3	1.3
Average 24 hour		1.4	1.4	1.7	2.2	1.8	1.7	2.0
Standard 1 hour		-						
Standard 24 hour		120						
Unit		ppb						

Remark : Analytical Method
Standard : Notification of the
- = No standard.

Approved Signature

31/05/2024



Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030572/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED						
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190						
COORDINATOR	:	ENVIRONMENT DEPARTMENT						
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733						
Sampling Date	:	08-15/05/2024			Report Date	:	31/05/2024	
Received Date	:	17/05/2024			Sampling By	:	Mr.Jirayut Seehabut	
Analytical Date	:	17-29/05/2024			Analyst By	:	-	
Sampling Condition								
Atmospheric Pressure (mmHg)		:	756		Ambient Temperature (°C)		:	33
Parameter	Time	Result						
		Ban Nong Suea Chang (UTM : 47P 0753494 E, 1453361 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Sulfur Dioxide	00:00 p.m.-01:00 p.m.	2.0	2.3	2.3	1.7	1.9	1.9	1.9
	01:00 p.m.-02:00 p.m.	1.9	2.4	2.3	1.9	1.6	1.9	1.8
	02:00 p.m.-03:00 p.m.	2.1	2.3	1.9	1.9	1.9	1.7	1.8
	03:00 p.m.-04:00 p.m.	1.8	2.2	1.9	2.2	1.8	1.9	1.9
	04:00 p.m.-05:00 p.m.	1.8	1.7	1.9	2.2	1.9	1.7	1.8
	05:00 p.m.-06:00 p.m.	1.9	1.6	2.0	1.9	1.7	1.8	1.9
	06:00 p.m.-07:00 p.m.	1.9	2.0	2.0	1.8	1.9	1.8	1.8
	07:00 p.m.-08:00 p.m.	2.2	2.4	1.6	1.9	1.8	1.8	1.6
	08:00 p.m.-09:00 p.m.	2.1	1.8	1.7	2.2	1.5	1.8	1.6
	09:00 p.m.-10:00 p.m.	2.2	1.7	2.0	1.8	1.8	1.8	1.6
	10:00 p.m.-11:00 p.m.	2.2	1.6	1.9	1.7	1.7	1.3	1.6
	11:00 p.m.-00:00 a.m.	1.4	1.3	1.9	1.4	1.6	1.3	1.4
	00:00 a.m.-01:00 a.m.	1.3	1.3	1.4	1.4	1.6	1.3	1.7
	01:00 a.m.-02:00 a.m.	1.2	1.2	1.3	1.2	1.5	1.3	1.7
	02:00 a.m.-03:00 a.m.	1.2	1.2	1.4	1.2	1.5	1.4	1.7
	03:00 a.m.-04:00 a.m.	1.2	1.3	1.3	1.5	1.4	1.4	1.7
	04:00 a.m.-05:00 a.m.	1.2	1.3	1.3	1.4	1.3	1.6	1.7
	05:00 a.m.-06:00 a.m.	1.6	2.0	1.6	1.7	1.5	1.7	1.7
	06:00 a.m.-07:00 a.m.	2.0	2.0	1.7	1.7	1.5	1.7	1.7
	07:00 a.m.-08:00 a.m.	2.3	2.0	1.7	2.1	1.9	1.7	1.7
	08:00 a.m.-09:00 a.m.	2.1	2.0	2.0	2.0	1.8	1.8	1.4
	09:00 a.m.-10:00 a.m.	2.0	1.8	1.8	2.3	1.8	1.8	1.7
	10:00 a.m.-11:00 a.m.	2.0	1.8	1.9	2.2	1.8	1.8	1.5
	11:00 a.m.-00:00 p.m.	2.0	1.9	2.0	1.8	1.9	1.9	1.4
Average 1 hour max		2.3	2.4	2.3	2.3	1.9	1.9	1.9
Average 1 hour Minimum		1.2	1.2	1.3	1.2	1.3	1.3	1.4
Average 24 hour		1.8	1.8	1.8	1.8	1.7	1.7	1.7
Standard 1 hour		-						
Standard 24 hour		120						
Unit		ppb						

Remark : Analytical Method

Standard : Notification of the

- = No standard.

Approved Signature

31/05/2024



Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030573/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

Parameter	Time	Result						
		Insect-borne disease control unit (UTM : 47P 0757911 E, 1455293 N)						
		08-09/05/2024	09-10/05/2024	10-11/05/2024	11-12/05/2024	12-13/05/2024	13-14/05/2024	14-15/05/2024
Sulfur Dioxide	00:00 p.m.-01:00 p.m.	1.7	1.7	1.7	1.7	1.6	<u>1.7</u>	1.6
	01:00 p.m.-02:00 p.m.	1.8	2.1	2.0	1.7	<u>1.7</u>	1.6	1.6
	02:00 p.m.-03:00 p.m.	1.8	<u>2.2</u>	<u>2.1</u>	1.8	1.3	1.6	1.6
	03:00 p.m.-04:00 p.m.	2.0	2.0	1.7	1.8	<u>1.7</u>	1.5	1.5
	04:00 p.m.-05:00 p.m.	1.7	2.0	1.7	1.7	1.6	1.6	<u>1.7</u>
	05:00 p.m.-06:00 p.m.	1.7	1.5	1.7	1.6	<u>1.7</u>	1.5	1.6
	06:00 p.m.-07:00 p.m.	1.8	1.3	1.7	1.7	1.5	1.5	<u>1.7</u>
	07:00 p.m.-08:00 p.m.	1.8	1.8	1.7	2.0	1.6	1.6	1.5
	08:00 p.m.-09:00 p.m.	2.0	<u>2.2</u>	1.4	1.5	1.6	1.6	1.4
	09:00 p.m.-10:00 p.m.	2.0	1.5	1.4	1.5	1.2	1.5	1.3
	10:00 p.m.-11:00 p.m.	<u>2.1</u>	1.5	1.8	1.6	1.6	1.6	1.3
	11:00 p.m.-00:00 a.m.	<u>2.1</u>	1.4	1.7	1.6	1.5	1.1	1.3
	00:00 a.m.-01:00 a.m.	1.3	1.2	1.6	1.3	1.4	1.1	1.3
	01:00 a.m.-02:00 a.m.	1.1	1.2	1.3	1.2	1.5	1.2	1.5
	02:00 a.m.-03:00 a.m.	1.0	1.1	1.2	1.1	1.3	1.2	1.5
	03:00 a.m.-04:00 a.m.	1.0	1.0	1.2	1.1	1.4	1.3	1.5
	04:00 a.m.-05:00 a.m.	1.1	1.2	1.4	1.4	1.3	1.3	1.4
	05:00 a.m.-06:00 a.m.	1.1	1.1	1.4	1.3	1.2	1.4	1.5
	06:00 a.m.-07:00 a.m.	1.5	1.8	1.4	1.5	1.4	1.5	1.5
	07:00 a.m.-08:00 a.m.	1.8	1.8	1.8	1.4	1.4	1.5	1.4
	08:00 a.m.-09:00 a.m.	<u>2.1</u>	1.8	1.5	1.8	<u>1.7</u>	1.5	1.5
	09:00 a.m.-10:00 a.m.	1.9	1.8	1.7	1.8	1.6	1.5	1.2
	10:00 a.m.-11:00 a.m.	1.7	1.6	1.7	<u>2.1</u>	1.5	1.6	1.5
	11:00 a.m.-00:00 p.m.	1.7	1.6	1.4	1.9	1.6	1.5	1.3
Average 1 hour max		2.1	2.2	2.1	2.1	1.7	1.7	1.7
Average 1 hour Minimum		1.0	1.0	1.2	1.1	1.2	1.1	1.2
Average 24 hour		1.7	1.6	1.6	1.6	1.5	1.5	1.5
Standard 1 hour		-						
Standard 24 hour		120						
Unit		ppb						

Remark : Analytical Method =

Standard : Notification of the N

- = No standard.

Approved Signature

31/05/2024



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499
REPORT NO. : 030574/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED													
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190													
COORDINATOR	:	ENVIRONMENT DEPARTMENT													
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733													
Sampling Date	:	08-15/05/2024				Report Date	:	31/05/2024							
Received Date	:	17/05/2024				Sampling By	:	Mr.Jirayut Seehabut							
Analytical Date	:	17-29/05/2024				Analyst By	:	-							
Sampling Condition															
Atmospheric Pressure (mmHg)		:	756		Ambient Temperature (°C)		:	33							
Wind Speed (m/s), Wind Direction (0-360°)															
Nong Yai Siri Worawat Witthaya School (UTM : 47P 0756029 E, 1454762 N)															
Time	08-09/05/2024		09-10/05/2024		10-11/05/2024		11-12/05/2024		12-13/05/2024		13-14/05/2024		14-15/05/2024		
	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	
11:00 a.m.-00:00 p.m.	0	NE	0.4	NNE	0	NNE	0.4	SSW	0.4	SW	0.4	WSW	0	SW	
00:00 p.m.-01:00 p.m.	0.9	N	0.4	NE	0.4	NNE	0	SSW	0.4	SW	0	WSW	0	S	
01:00 p.m.-02:00 p.m.	0.9	N	0.4	NE	0.4	NNE	0	SSW	0.9	SW	0	W	0	S	
02:00 p.m.-03:00 p.m.	0.9	N	0.4	NE	0	NNE	0	SSW	0.4	SW	0.4	W	0	S	
03:00 p.m.-04:00 p.m.	0.4	N	0.4	SSW	0	NNE	0.4	SSW	0	SW	0	WNW	0	S	
04:00 p.m.-05:00 p.m.	0.9	NNW	1.3	SW	0	NNE	0.4	SSW	0	SW	0.4	N	0	S	
05:00 p.m.-06:00 p.m.	0.4	SSE	0.9	SW	0	NNE	0.4	SSW	0.4	NNW	0.4	N	0	SSE	
06:00 p.m.-07:00 p.m.	0	SSE	1.3	NE	0.4	NNE	0.4	SW	0.4	N	0.4	N	0	SSE	
07:00 p.m.-08:00 p.m.	0	SSE	0.4	SSW	0	NNE	0	SW	0.4	NNE	0.4	NW	0	SSE	
08:00 p.m.-09:00 p.m.	0	SSE	0.9	SW	0	NNE	0	SW	0.4	NNE	0.4	ENE	0.4	SSE	
09:00 p.m.-10:00 p.m.	0	SSE	0	SW	0	NNE	0	SW	0.4	SSE	0.4	NNE	0	SSE	
10:00 p.m.-11:00 p.m.	0.4	SSW	0	NNW	0	NNE	0	SW	0	W	0.4	NNW	0	SSE	
11:00 p.m.-00:00 a.m.	0.4	SSW	0.4	NNW	0.4	NNE	0.4	SW	0.4	NE	0.4	NNE	0	SSE	
00:00 a.m.-01:00 a.m.	0	SSW	0	NNW	0	NNE	0	SW	0.4	ENE	0.4	NNE	0.4	SSE	
01:00 a.m.-02:00 a.m.	0	SSW	0	NNW	0	NNE	0	SW	0	ENE	0.9	SW	0.4	SW	
02:00 a.m.-03:00 a.m.	0	SSW	0	NNW	0	NNE	0	SW	0.9	S	1.3	SW	0	SW	
03:00 a.m.-04:00 a.m.	0	SSW	0.4	E	0	NNE	0	SW	0.9	SW	0.9	SW	0	SW	
04:00 a.m.-05:00 a.m.	0.4	SSW	0	NNE	0.4	SSW	0.4	SW	0.9	WSW	0.4	SW	0	SW	
05:00 a.m.-06:00 a.m.	0	SSW	0	NNE	0.4	SSW	0.4	SW	0.4	NW	0	WSW	0	SW	
06:00 a.m.-07:00 a.m.	0	SSW	0	NNE	0	SSW	0.4	SW	0.9	NNE	0	WNW	0.9	SW	
07:00 a.m.-08:00 a.m.	0	SSW	0.4	NNE	0	SSW	0.4	SW	0.4	SW	0	SW	0.9	NNW	
08:00 a.m.-09:00 a.m.	0	S	0	NNE	0	SSW	0	SW	0	WSW	0	SW	0.9	NNW	
09:00 a.m.-10:00 a.m.	0.4	SSW	0	NNE	0.4	SSW	0	SW	0	WSW	0	SW	0.4	NNW	
10:00 a.m.-11:00 a.m.	0	SW	0	NNE	0.9	SSW	0	SW	0	WSW	0	SW	0	NNW	

Remark : Sampling Method =

Approved Signature

31/05/2024



Analysis results refer to submitted sample(s) only

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 030574/2024

ANALYSIS REPORT

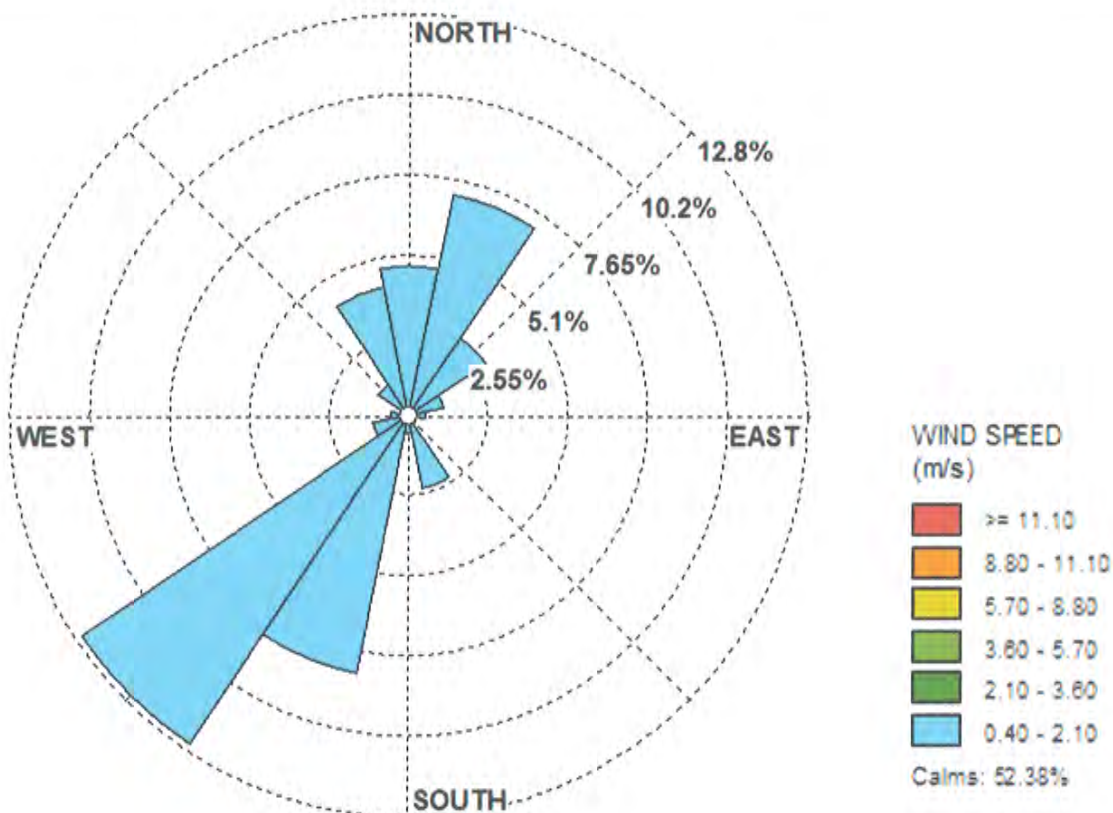
CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut
Analytical Date	:	17-29/05/2024	Analyst By	:	-

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

ผังแสดงทิศทางลม (Wind Rose)

Nong Yai Siri Worawat Witthaya School (UTM : 47P 0756029 E, 1454762 N)



Remark : Sampling Method = Cup Anemometer/Aluminium Vane.

Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF. NO. : PM 67/0499

REPORT NO. : 030575/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

Wind Speed (m/s), Wind Direction (0-360°)

Ban Nong Ya Plong (UTM : 47P 0753155 E, 1453175 N)

Time	08-09/05/2024		09-10/05/2024		10-11/05/2024		11-12/05/2024		12-13/05/2024		13-14/05/2024		14-15/05/2024	
	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
00:00 p.m.-01:00 p.m.	0.4	SW	0.9	SSW	0.9	ENE	2.2	SE	0.9	N	1.3	N	0.9	SW
01:00 p.m.-02:00 p.m.	0.9	WSW	1.3	SW	0.9	ENE	0.9	SW	3.1	SE	1.3	NNE	0.9	SW
02:00 p.m.-03:00 p.m.	1.3	ENE	0.4	SE	2.2	WSW	0.9	NNE	1.8	SE	0.4	WNW	0.9	WSW
03:00 p.m.-04:00 p.m.	1.8	ESE	0.4	SSW	0.4	WSW	0	S	0.9	SE	0	E	0.9	WNW
04:00 p.m.-05:00 p.m.	1.3	SE	0.4	S	0.9	SW	0	WSW	0.4	SE	0	ESE	0	WNW
05:00 p.m.-06:00 p.m.	0	E	3.1	N	0	SW	0	WSW	0	SE	0	E	0	WNW
06:00 p.m.-07:00 p.m.	0	SE	0.4	N	0	SW	0	WSW	0	N	0.4	SW	0	WNW
07:00 p.m.-08:00 p.m.	0	NNW	0	NNW	0	S	0.4	WSW	0	N	0.4	W	0.4	WNW
08:00 p.m.-09:00 p.m.	0	WNW	0	SE	0	SE	0	WSW	0	WNW	0.4	W	0.4	WNW
09:00 p.m.-10:00 p.m.	0	WNW	0	SSE	0	SE	0	WSW	0	WNW	0	SW	0	WNW
10:00 p.m.-11:00 p.m.	0	WNW	0	SSE	0	SSE	0	WSW	0	NE	0.4	WSW	0	WNW
11:00 p.m.-00:00 a.m.	0	WNW	0	SSE	0	SW	0.4	WSW	0.4	N	0	WSW	0	WNW
00:00 a.m.-01:00 a.m.	0	WNW	0.4	SSE	0	N	0	W	0.4	N	0	WSW	0.4	WNW
01:00 a.m.-02:00 a.m.	0	ENE	0	SSE	0	N	0	W	1.3	NE	0.4	WSW	0.4	WNW
02:00 a.m.-03:00 a.m.	0	ENE	0	SSE	0	N	0	W	0	N	0	WSW	0.9	WNW
03:00 a.m.-04:00 a.m.	0	ENE	0	SSE	0.4	SW	0.4	W	0	NNE	0	WSW	0.9	WNW
04:00 a.m.-05:00 a.m.	0	ENE	0	SSE	0	SW	0	W	0	NNW	0	S	0.4	WNW
05:00 a.m.-06:00 a.m.	0	ENE	0	SSE	0	SW	0	W	0	SE	0	S	0	WNW
06:00 a.m.-07:00 a.m.	0	NNE	0.4	ESE	0	SW	0	W	0	S	0	S	0	WNW
07:00 a.m.-08:00 a.m.	0.4	NNE	0.4	W	0.4	WNW	0.4	SSW	0	S	0.4	N	0.4	WNW
08:00 a.m.-09:00 a.m.	0.4	SE	0.4	SE	0.4	SW	0.9	SW	0.4	SE	0.4	WSW	0	WNW
09:00 a.m.-10:00 a.m.	0.4	N	0.4	NNE	0.4	N	0.4	NW	0.9	SE	0.4	N	0.4	WSW
10:00 a.m.-11:00 a.m.	0.9	SE	0.4	ENE	0.4	WNW	1.3	SSW	0.4	SE	0.4	WNW	0	WSW
11:00 a.m.-00:00 p.m.	0.9	SE	0.4	ENE	0.4	WSW	1.3	SW	0	E	0.4	WSW	0	WSW

Remark : Sampling Method = Cup Anemometer/Aluminium Vane

Approved Signature

31/05/2024

Analysis results refer to submitted sample(s) only

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030575/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

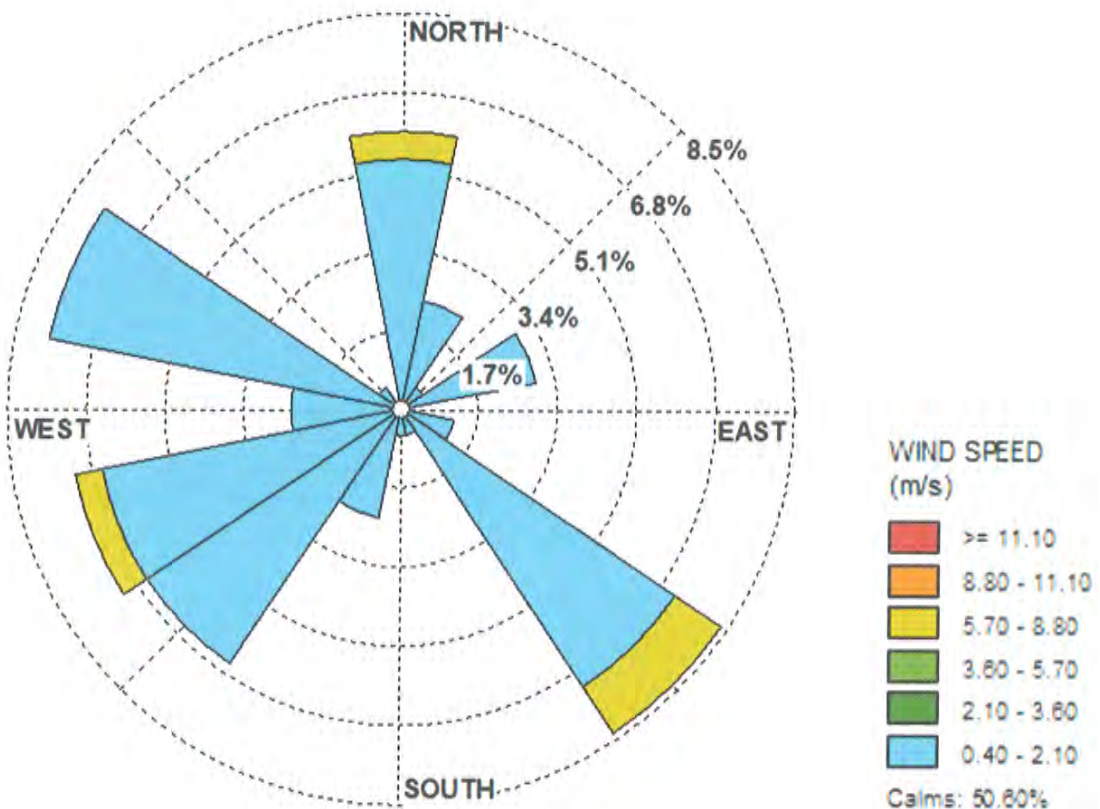
Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

ผังแสดงทิศทางลม (Wind Rose)

Ban Nong Ya Plong (UTM : 47P 0753155 E, 1453175 N)



Remark : Sampling Method = Cup Anemometer/Aluminium Vane.

Analysis results refer to submitted sample(s) only

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030576/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

Wind Speed (m/s), Wind Direction (0-360°)

Ban Nong Suea Chang (UTM : 47P 0753494 E, 1453361 N)

Time	08-09/05/2024		09-10/05/2024		10-11/05/2024		11-12/05/2024		12-13/05/2024		13-14/05/2024		14-15/05/2024	
	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
00:00 p.m.-01:00 p.m.	1.3	SW	1.8	SE	0.4	E	2.2	SE	1.3	W	0	E	0.9	WNW
01:00 p.m.-02:00 p.m.	1.3	W	1.3	W	0.9	ESE	2.2	SE	0.4	ENE	0.9	N	0.9	W
02:00 p.m.-03:00 p.m.	0.9	WSW	1.3	ESE	2.2	ESE	2.2	W	1.8	SE	1.3	WNW	0.9	W
03:00 p.m.-04:00 p.m.	1.3	E	0.9	E	0.9	WSW	0.4	SE	1.8	SE	0	E	1.3	WSW
04:00 p.m.-05:00 p.m.	1.3	SE	0	S	0.4	WSW	0.4	SW	0.9	SE	0	E	0.4	N
05:00 p.m.-06:00 p.m.	0.9	WNW	0.4	N	0	S	0	SW	0	SE	0	ESE	0	N
06:00 p.m.-07:00 p.m.	0	WSW	1.3	NNE	0	S	0	WSW	0	SE	0	W	0	N
07:00 p.m.-08:00 p.m.	0	SE	0	E	0	S	0	WSW	0	W	0.4	N	0	N
08:00 p.m.-09:00 p.m.	0	SE	0	NNW	0	S	0	WSW	0	W	0.4	NW	0.4	N
09:00 p.m.-10:00 p.m.	0	SE	0	SSE	0	SE	0	WSW	0	NE	0	W	0.4	N
10:00 p.m.-11:00 p.m.	0	SE	0	SSE	0	SSE	0.4	WSW	0	NE	0.4	SW	0	N
11:00 p.m.-00:00 a.m.	0	SE	0	SSE	0	SSE	0.4	WSW	0	NE	0.4	WSW	0	N
00:00 a.m.-01:00 a.m.	0	WNW	0.4	SSE	0	WNW	0.4	WSW	0	NE	0	WSW	0	N
01:00 a.m.-02:00 a.m.	0	WNW	0	SSE	0	NNE	0	WSW	1.3	NNE	0	WSW	0	N
02:00 a.m.-03:00 a.m.	0	WNW	0	SSE	0	NNE	0	WSW	0.4	ENE	0	WSW	0.4	N
03:00 a.m.-04:00 a.m.	0	WNW	0	SSE	0	NNE	0	WSW	0	ENE	0	SW	0.4	N
04:00 a.m.-05:00 a.m.	0	WNW	0	SSE	0.9	SSW	0.4	WSW	0	NNE	0	SW	0	N
05:00 a.m.-06:00 a.m.	0	ENE	0.4	SSE	0	SSW	0	WSW	0	W	0	SW	0.4	WSW
06:00 a.m.-07:00 a.m.	0	NNE	0	SSE	0.4	SW	0	W	0	SE	0	SW	0.9	WSW
07:00 a.m.-08:00 a.m.	0	NNE	0	WNW	0	SW	0.4	SW	0	S	0.4	N	0.4	WSW
08:00 a.m.-09:00 a.m.	0.4	E	0	ESE	0.4	W	0.9	WSW	0	S	0.4	N	0	WSW
09:00 a.m.-10:00 a.m.	0.4	N	1.3	N	0.4	ENE	0.9	W	0.9	SSE	0.4	N	0	WSW
10:00 a.m.-11:00 a.m.	0.4	N	0.4	ENE	0.4	N	0.9	WSW	0.9	SE	0.4	WNW	0.4	WSW
11:00 a.m.-00:00 p.m.	0.9	SE	0.4	ESE	1.3	SW	0.9	W	0.4	ESE	0.4	W	0	WSW

Remark : Sampling Method = Cup Anemometer/Aluminium Vane.

Approved Signature

31/05/2024



Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030576/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

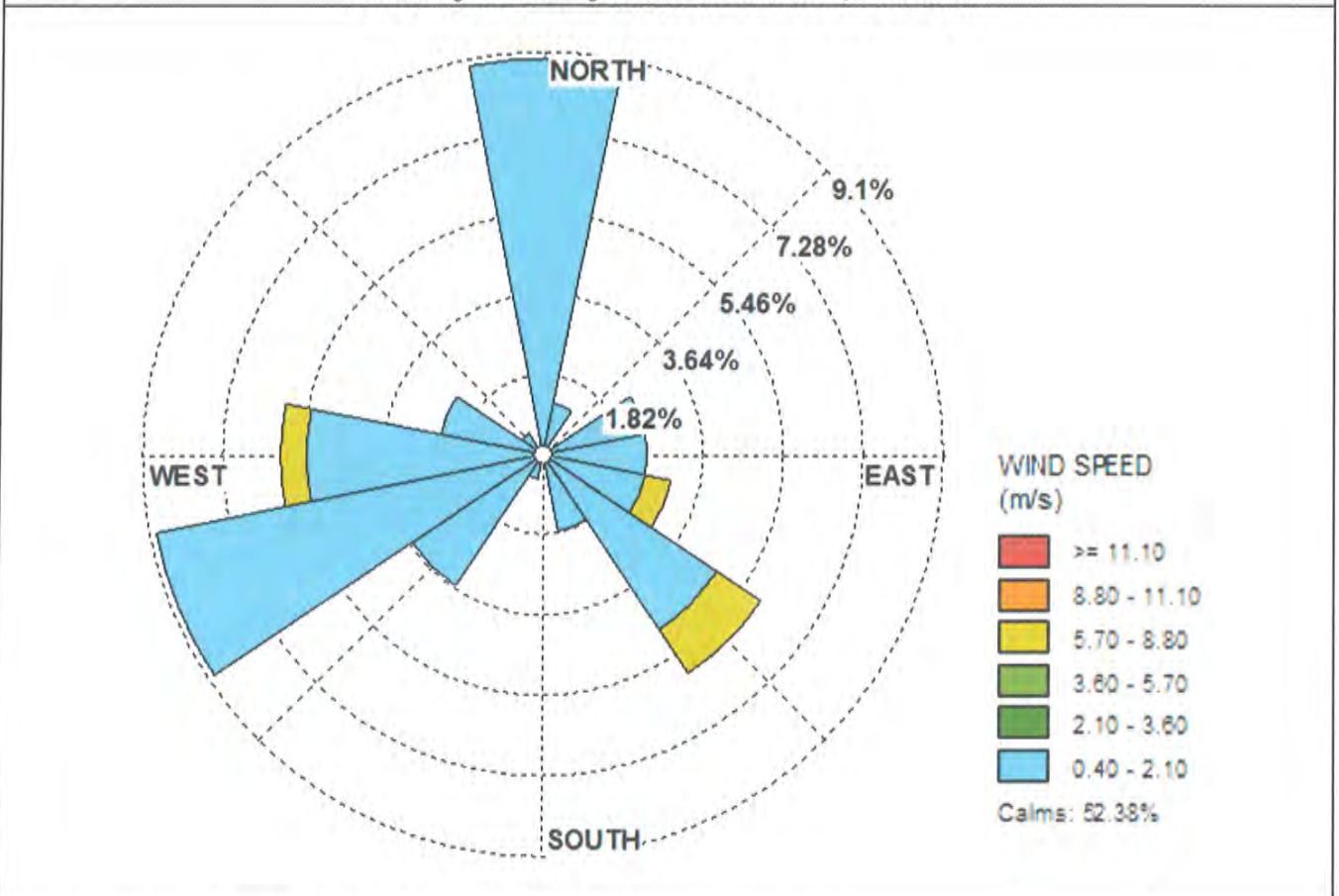
Sampling Date	:	08-15/05/2024	Report Date	:	31/05/2024
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut
Analytical Date	:	17-29/05/2024	Analyst By	:	-

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

ผังแสดงทิศทางลม (Wind Rose)

Ban Nong Suea Chang (UTM : 47P 0753494 E, 1453361 N)



Remark : Sampling Method = Cup Anemometer/Aluminium Vane.

Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030577/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

Wind Speed (m/s), Wind Direction (0-360°)

Insect-borne disease control unit (UTM : 47P 0757911 E, 1455293 N)

Time	08-09/05/2024		09-10/05/2024		10-11/05/2024		11-12/05/2024		12-13/05/2024		13-14/05/2024		14-15/05/2024	
	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
00:00 p.m.-01:00 p.m.	0	WNW	0	SSE	0	SSE	0	S	0.4	ESE	0.4	SW	0	W
01:00 p.m.-02:00 p.m.	0	NNE	0.9	NNE	0.4	SE	0	S	0	SSE	0.4	SW	0	W
02:00 p.m.-03:00 p.m.	0	NW	0.4	NNE	0	SE	0	S	0	NNE	0.4	SW	0.4	W
03:00 p.m.-04:00 p.m.	0	NW	0	W	0	SE	0.4	SSW	0	NNE	0	SW	0	W
04:00 p.m.-05:00 p.m.	0	SSE	0	WSW	0	SE	0	WSW	0.4	SSE	0	SW	0	NNE
05:00 p.m.-06:00 p.m.	0	SSE	0	WSW	0	SE	0.4	NNE	0.4	SSE	0	SW	0	NW
06:00 p.m.-07:00 p.m.	0.4	SE	0	WSW	0.4	SE	0.4	NNE	0	SSE	0.4	S	0.4	SE
07:00 p.m.-08:00 p.m.	0.9	SSE	0	WSW	0	SE	0	SE	0	SSE	0.4	S	0.4	SE
08:00 p.m.-09:00 p.m.	0.9	SSE	0.4	NNE	0	W	0	SE	0.4	SSE	0.4	S	0	SE
09:00 p.m.-10:00 p.m.	0	SSE	0	NNE	0	NW	0	SE	0	SSE	0.4	SSE	0	SE
10:00 p.m.-11:00 p.m.	0.9	NNE	0	NNE	0	NW	0	SE	0	SSE	0	SSE	0	SE
11:00 p.m.-00:00 a.m.	0.4	NNE	0	NE	0.4	NW	0.4	SE	0	SSE	0	SSE	0	SE
00:00 a.m.-01:00 a.m.	0	NNE	0.4	NNE	0.4	NW	0	SE	0.4	W	0	SSE	0.4	SE
01:00 a.m.-02:00 a.m.	0	NNE	0	NNE	0	NW	0	SE	0	W	0	SSE	0.9	SE
02:00 a.m.-03:00 a.m.	0	NNE	0	NNE	0	NW	0	SE	0	W	0.4	SSE	0.4	SE
03:00 a.m.-04:00 a.m.	0	NNE	0	NNE	0	NW	0.4	SE	0.4	W	0.4	SSE	0	SE
04:00 a.m.-05:00 a.m.	0	SE	0.4	NNE	0.4	NW	0.4	NNE	0.4	W	0	SSE	0	SE
05:00 a.m.-06:00 a.m.	0	SE	0	SE	0.4	NW	0	NNE	0	W	0	SSE	0	SE
06:00 a.m.-07:00 a.m.	0	SE	0	SE	0.9	NW	0	NNE	0	W	0	SSE	0.4	SE
07:00 a.m.-08:00 a.m.	0	SE	0.4	SE	0	NW	0	NNE	0	W	0	SSE	0	SE
08:00 a.m.-09:00 a.m.	0	SW	0	SE	0	NW	0.4	NNE	0	W	0.4	SSE	0	SE
09:00 a.m.-10:00 a.m.	0	SW	0	SE	0.4	S	0	NNE	0.4	WNW	0.4	SSE	0	SE
10:00 a.m.-11:00 a.m.	0	SW	0	NE	0.4	S	0	NNE	0	WSW	0.4	W	0	NW
11:00 a.m.-00:00 p.m.	0	SW	0	NE	0	S	0	ESE	0	WSW	0	W	0	NW

Remark : Sampling Method = Cup Anemometer/Aluminium Vane.

Approved Signature

31/05/2024



Analysis results refer to submitted sample(s) only

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030577/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

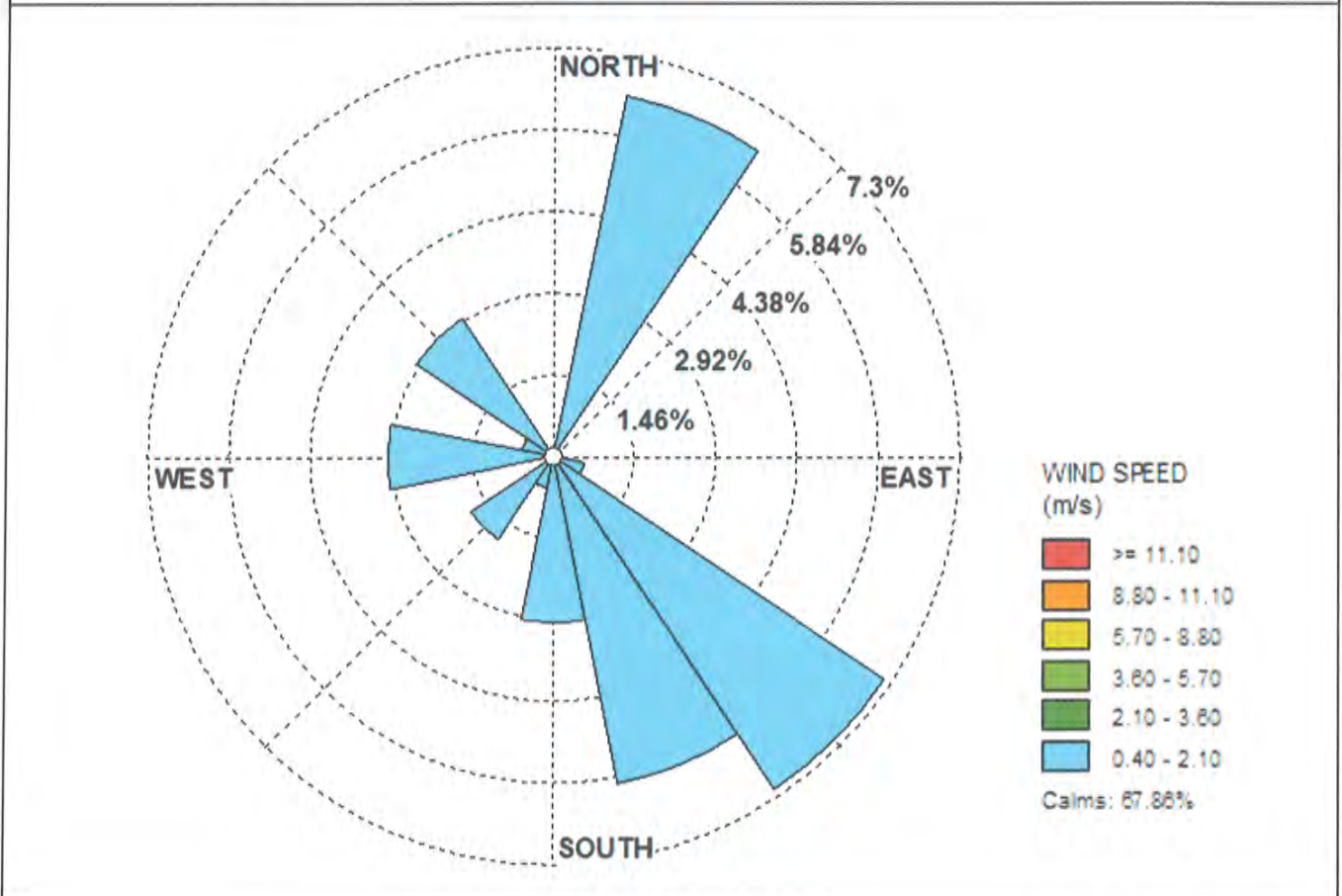
Sampling Date : 08-15/05/2024 Report Date : 31/05/2024
Received Date : 17/05/2024 Sampling By : Mr.Jirayut Seehabut
Analytical Date : 17-29/05/2024 Analyst By : -

Sampling Condition

Atmospheric Pressure (mmHg) : 756 Ambient Temperature (°C) : 33

ผังแสดงทิศทางลม (Wind Rose)

Insect-borne disease control unit (UTM : 47P 0757911 E, 1455293 N)



Remark : Sampling Method = Cup Anemometer/Aluminium Vane.

Analysis results refer to submitted sample(s) only

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499
REPORT NO. : 030578/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	12-15/05/2024	Report Date	:	31/05/2024
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut
Analytical Date	:	17-29/05/2024	Analyst By	:	-

Time	Result					
	Nong Yai Siri Worawat Witthaya School (UTM : 47P 0756083 E, 1454831 N)					
	12-13/05/2024		13-14/05/2024		14-15/05/2024	
	Leq	L ₉₀	Leq	L ₉₀	Leq	L ₉₀
09:00 p.m.-10:00 p.m.	52.5	46.0	46.7	43.6	62.3	45.8
10:00 p.m.-11:00 p.m.	50.1	45.3	47.3	44.0	60.9	47.2
11:00 p.m.-00:00 a.m.	57.6	46.2	46.9	43.4	61.5	47.6
00:00 a.m.-01:00 a.m.	51.5	45.3	47.1	43.3	63.8	59.7
01:00 a.m.-02:00 a.m.	61.0	47.2	46.9	43.3	65.2	60.4
02:00 a.m.-03:00 a.m.	60.0	47.7	56.4	45.0	65.3	40.3
03:00 a.m.-04:00 a.m.	46.2	42.6	44.4	42.2	44.8	43.8
04:00 a.m.-05:00 a.m.	55.7	44.3	43.6	42.4	45.9	44.6
05:00 a.m.-06:00 a.m.	49.9	44.5	44.1	43.1	50.7	45.2
06:00- a.m-07:00 a.m.	47.5	44.0	46.0	42.5	47.9	44.8
07:00 a.m.-08:00 a.m.	45.1	42.9	43.6	41.4	50.3	46.0
08:00 a.m.-09:00 a.m.	44.3	43.1	42.8	41.6	51.5	47.1
09:00 a.m.-10:00 a.m.	49.1	43.7	43.3	42.3	50.1	45.3
10:00 a.m.-11:00 a.m.	46.7	43.2	44.4	43.1	49.6	45.4
11:00 a.m.-00:00 p.m.	44.3	42.1	49.2	43.7	47.5	44.4
00:00 p.m.-01:00 p.m.	43.5	42.3	46.4	43.3	48.1	44.8
01:00 p.m.-02:00 p.m.	44.0	43.0	48.8	44.5	47.7	44.2
02:00 p.m.-03:00 p.m.	45.1	43.8	50.0	45.6	47.9	44.1
03:00 p.m.-04:00 p.m.	49.9	44.4	48.6	43.8	47.7	44.1
04:00 p.m.-05:00 p.m.	47.1	44.0	48.1	43.9	57.2	45.8
05:00 p.m.-06:00 p.m.	49.5	45.2	46.0	42.9	51.1	44.9
06:00 p.m. -07:00 p.m.	50.7	46.3	46.6	43.3	60.6	46.8
07:00 p.m.-08:00 p.m.	49.3	44.5	46.2	42.7	59.6	47.3
08:00 p.m.-09:00 p.m.	48.8	44.6	46.4	42.6	46.8	43.3
Leq 24 hr	52.9		48.0		58.6	
Ldn	55.8		54.3		61.9	
Lmax	78.6		75.1		76.9	
Standard 24 hour	70		70		70	
Standard max	115		115		115	
Unit	dB(A)					

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Notification of the Ministry of Natural Resources and Environmental Conservation (97)
level standard

Approved Signature

31/05/2024

Analysis results refer to submitted sample(s) only

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REF .NO. : PM 67/0499

REPORT NO. : 030579/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	12-15/05/2024	Report Date	:	31/05/2024
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut
Analytical Date	:	17-29/05/2024	Analyst By	:	-

Time	Result					
	Ban Nong Suea Chang (UTM : 47P 0753501 E, 1453364 N)					
	12-13/05/2024		13-14/05/2024		14-15/05/2024	
	Leq	L ₉₀	Leq	L ₉₀	Leq	L ₉₀
11:00 p.m.-00:00 a.m.	56.8	45.9	58.0	50.5	55.8	49.2
00:00 a.m.-01:00 a.m.	53.5	47.4	56.1	49.5	53.6	48.1
01:00 a.m.-02:00 a.m.	57.4	45.8	53.9	48.4	53.9	48.4
02:00 a.m.-03:00 a.m.	53.8	45.5	54.2	48.7	53.6	48.3
03:00 a.m.-04:00 a.m.	53.9	46.2	53.9	48.6	55.9	49.8
04:00 a.m.-05:00 a.m.	53.0	46.9	56.2	50.1	54.8	49.1
05:00 a.m.-06:00 a.m.	55.5	46.5	55.1	49.4	53.5	48.0
06:00- a.m-07:00 a.m.	58.0	46.5	53.8	48.3	53.6	48.2
07:00 a.m.-08:00 a.m.	53.0	45.7	53.9	48.5	52.4	48.2
08:00 a.m.-09:00 a.m.	55.0	45.3	52.7	48.5	49.3	47.5
09:00 a.m.-10:00 a.m.	54.9	45.0	49.6	47.8	48.6	47.2
10:00 a.m.-11:00 a.m.	46.3	44.2	48.9	47.5	49.0	46.9
11:00 a.m.-00:00 p.m.	47.6	44.2	49.3	47.2	56.4	45.3
00:00 p.m.-01:00 p.m.	50.3	44.8	56.8	45.7	55.5	44.7
01:00 p.m.-02:00 p.m.	57.1	46.0	55.9	45.1	53.0	44.1
02:00 p.m.-03:00 p.m.	56.2	45.4	53.4	44.5	54.1	44.0
03:00 p.m.-04:00 p.m.	53.7	44.8	54.5	44.4	51.4	44.7
04:00 p.m.-05:00 p.m.	54.8	44.7	51.8	45.1	55.4	46.5
05:00 p.m.-06:00 p.m.	52.1	45.4	55.8	46.9	57.1	49.6
06:00 p.m.-07:00 p.m.	56.1	47.2	57.5	50.0	61.8	50.4
07:00 p.m.-08:00 p.m.	57.8	50.3	62.2	50.8	64.6	51.2
08:00 p.m.-09:00 p.m.	62.5	51.1	65.0	51.6	61.4	49.9
09:00 p.m.-10:00 p.m.	65.3	51.9	61.8	50.3	57.3	49.8
10:00 p.m.-11:00 p.m.	62.1	50.6	57.7	50.2	55.4	48.8
Leq 24 hr	57.5		57.3		56.8	
Ldn	61.5		61.8		62.8	
Lmax	93.0		92.7		92.3	
Standard 24 hour	70		70		70	
Standard max	115		115		115	
Unit	dB(A)					

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Notification of level standard (97)

Approved Signature

31/05/2024

*****
Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 030580/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	12-15/05/2024	Report Date	:	31/05/2024
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut
Analytical Date	:	17-29/05/2024	Analyst By	:	-

Time	Result					
	Insect-borne disease control unit (UTM : 47P 0757990 E, 1455357 N)					
	12-13/05/2024		13-14/05/2024		14-15/05/2024	
	Leq	L ₉₀	Leq	L ₉₀	Leq	L ₉₀
10:00 a.m.-11:00 a.m.	58.8	48.0	59.2	48.8	61.0	47.2
11:00 a.m.-00:00 p.m.	59.2	47.8	57.3	48.0	58.9	46.3
00:00 p.m.-01:00 p.m.	58.1	46.3	58.4	47.7	58.7	46.8
01:00 p.m.-02:00 p.m.	54.0	46.2	57.2	48.2	57.3	46.0
02:00 p.m.-03:00 p.m.	56.5	47.2	56.2	48.7	57.9	47.7
03:00 p.m.-04:00 p.m.	58.4	49.1	55.4	50.1	54.6	47.1
04:00 p.m.-05:00 p.m.	55.3	48.8	57.1	51.9	51.5	45.5
05:00 p.m.-06:00 p.m.	54.4	48.8	55.0	48.0	51.3	45.2
06:00 p.m.-07:00 p.m.	51.8	45.8	60.9	48.1	51.3	44.3
07:00 p.m.-08:00 p.m.	56.6	46.3	57.2	43.7	48.9	41.8
08:00 p.m.-09:00 p.m.	56.2	44.8	55.2	41.3	49.8	41.3
09:00 p.m.-10:00 p.m.	46.9	40.7	52.1	39.8	45.9	37.8
10:00 p.m.-11:00 p.m.	44.0	39.3	47.4	37.9	45.5	37.5
11:00 p.m.-00:00 a.m.	57.0	39.3	43.5	37.6	49.9	38.5
00:00 a.m.-01:00 a.m.	62.0	43.4	45.1	37.4	54.5	39.7
01:00 a.m.-02:00 a.m.	62.5	43.4	45.5	37.7	55.2	38.8
02:00 a.m.-03:00 a.m.	65.7	45.0	48.8	38.5	56.7	39.8
03:00 a.m.-04:00 a.m.	63.0	42.6	46.6	38.7	48.8	39.3
04:00 a.m.-05:00 a.m.	57.4	42.4	51.9	42.8	44.9	39.0
05:00 a.m.-06:00 a.m.	60.1	47.8	58.6	47.5	46.5	38.8
06:00 a.m.-07:00 a.m.	65.1	51.6	57.0	48.9	46.9	39.1
07:00 a.m.-08:00 a.m.	65.6	52.2	59.0	47.5	50.2	39.9
08:00 a.m.-09:00 a.m.	68.1	52.0	63.1	48.0	48.0	40.1
09:00 a.m.-10:00 a.m.	64.8	50.3	63.1	48.5	45.7	37.7
Leq 24 hrs.	61.4		57.3		54.3	
Ldn	68.3		60.6		59.0	
Lmax	97.7		90.8		84.5	
Standard 24 hour	70		70		70	
Standard max	115		115		115	
Unit	dB(A)					

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Notification of  97)
level standa

Approved Signature

31/05/2024



Analysis results refer to submitted sample(s) only

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REF .NO. : PM 67/0499

REPORT NO. : 030581/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	12-15/05/2024	Report Date	:	31/05/2024	
Received Date	:	17/05/2024	Sampling By	:	Mr.Jirayut Seehabut	
Analytical Date	:	17-29/05/2024	Analyst By	:	-	
Time	Result					
	Area along the fence in front of the factory (UTM : 47P 0756422 E, 1453481 N)					
	12-13/05/2024		13-14/05/2024		14-15/05/2024	
	Leq	L ₉₀	Leq	L ₉₀	Leq	L ₉₀
00:00 p.m.-01:00 p.m.	60.0	50.3	54.2	50.5	60.4	51.4
01:00 p.m.-02:00 p.m.	58.4	50.4	54.2	50.4	60.5	51.4
02:00 p.m.-03:00 p.m.	62.0	51.9	56.7	51.2	59.3	53.9
03:00 p.m.-04:00 p.m.	61.9	52.8	52.8	50.1	62.1	52.1
04:00 p.m.-05:00 p.m.	62.4	53.2	55.3	51.0	61.3	51.7
05:00 p.m.-06:00 p.m.	62.9	51.2	55.0	51.8	62.0	51.6
06:00 p.m.-07:00 p.m.	62.9	50.3	59.9	51.8	58.9	51.1
07:00 p.m.-08:00 p.m.	61.0	52.0	56.8	50.7	62.0	51.3
08:00 p.m.-09:00 p.m.	60.9	51.0	54.3	50.7	60.7	51.5
09:00 p.m.-10:00 p.m.	59.7	51.4	53.5	50.2	62.0	51.9
10:00 p.m.-11:00 p.m.	61.9	51.6	58.0	50.2	65.6	52.4
11:00 p.m.-00:00 a.m.	63.2	51.9	57.5	50.4	63.8	53.5
00:00 a.m.-01:00 a.m.	63.7	53.7	59.1	51.7	61.1	53.9
01:00 a.m.-02:00 a.m.	61.1	52.6	61.8	55.0	65.1	55.1
02:00 a.m.-03:00 a.m.	64.0	53.2	60.2	52.5	64.9	53.2
03:00 a.m.-04:00 a.m.	59.2	52.7	62.9	54.7	58.0	53.2
04:00 a.m.-05:00 a.m.	62.0	54.4	62.6	55.7	58.9	53.7
05:00 a.m.-06:00 a.m.	64.5	55.1	63.9	57.1	65.6	54.3
06:00 a.m.-07:00 a.m.	62.8	53.3	62.9	53.5	62.3	51.7
07:00 a.m.-08:00 a.m.	60.1	51.5	63.3	51.4	59.4	51.9
08:00 a.m.-09:00 a.m.	60.4	51.5	60.5	50.5	65.3	51.0
09:00 a.m.-10:00 a.m.	56.0	51.1	59.2	50.9	54.1	50.3
10:00 a.m.-11:00 a.m.	59.2	50.8	59.3	51.0	61.5	50.3
11:00a.m.-00:00p.m.	56.3	50.5	60.4	51.5	55.8	51.2
Leq 24 hrs.	61.6		59.7		62.2	
Ldn	68.9		67.6		69.7	
Lmax	91.4		89.3		98.7	
Standard 24 hour	70		70		70	
Standard max	115		115		115	
Unit	dB(A)					

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Notification of the Ministry of Natural Resources and Environmental Conservation (Ministry Order No. 97) level standard

Approved Signature

31/05/2024



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บริษัท เอ็ม อี ที จำกัด MET CO.,LTD.

36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051140/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 12.0	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 1.20	Ambient Temperature (°C)	: 33
Temperature (°C)	: 121	Type of Process	: Combustion
Gas Velocity (m/s)	: 8.43	Type of Fuel	: Biomass
Flow Rate (Nm ³ /h)	: 24392.85	Type of Air Pollution	: Cyclone
Oxygen (%)	: 11.27	GPS	: 47P 0756597 E, 1453920 N
Carbon Dioxide (%)	: 7.68	Sampling Date	: 08/05/2024
Moisture (%)	: 5.78	Received Date	: 10/05/2024
Isokinetic (%)	: 98.46	Analytical Date	: 10-24/05/2024
Excess Air (%)	: 111.08	Reported Date	: 27/05/2024
Shape	: Circle	Sampling By	: Mr. Anupong Namsrihan (ว-100-จ-6515)
		Analyzed By	: Miss Siriwan Boonpeng (ว-100-จ-7638)

Location	Parameter	Method of Analysis	Time	Result		Standard	Unit
				% Actual O ₂ ^{1/}	7% O ₂ ^{2/}		
Boiler No. 2	1. Total Suspended Particulate	Gravimetric Method (US.EPA Method 5)	10:013 a.m.-10:53 a.m.	66	95	320	mg/ m ³
	2. Sulfur Dioxide	Barium-Thorin Titrimetric Method (US.EPA Method 6)	10:56 a.m.-11:16 a.m.	<0.1	<0.1	60	ppm
	3. Oxide of Nitrogen as Nitrogen Dioxide	Phenoldisulfonic Acid Method (US.EPA Method 7)	10:05 a.m.-10:11 a.m.	20	29	200	ppm
	4. Opacity	Ringelmann's Method (US.EPA Method 9)	11:20 a.m.-11:35 a.m.	5.71	-	10 ⁽¹⁾	%

Remark : Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions.

Remark : ^{1/}Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions.
With the volume of oxygen in the waste air at real conditions while measuring

: ^{2/}Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions.
With 50% excess air combustion volume or 7% oxygen volume in waste air

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

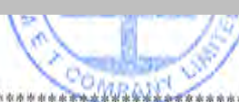
Standard⁽¹⁾ : Notification of the Ministry of Natural Resources and Environment B.E.2549 (2006) for opacity of smoke
smut from estab

: Notification of Min (2006)

- = Not configured

Technical Manager
(ว-100-ก-4859)

27/05/2024



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051144/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description

Stack Height from Ground (m) : 12.0
Diameter (m) : 1.20
Temperature (°C) : 121
Gas Velocity (m/s) : 8.43
Flow Rate (Nm³/h) : 24392.85
Oxygen (%) : 11.27
Carbon Dioxide (%) : 7.68
Moisture (%) : 5.78
Isokinetic (%) : 98.46
Excess Air (%) : 111.08
Shape : Circle

Sampling Condition

Atmospheric Pressure (mm.Hg) : 758
Ambient Temperature (°C) : 33
Type of Process : Combustion
Type of Fuel : Biomass
Type of Air Pollution : Cyclone
GPS : 47P 0756597 E, 1453920 N

Sampling Date : 08/05/2024
Received Date : 10/05/2024
Analytical Date : 10-24/05/2024
Reported Date : 27/05/2024
Sampling By : Mr. Anupong Namsrihan
Analyzed By : -

Location	Parameter	Method of Analysis	Time	Result		Standard	Unit
				% Actual O ₂ ^{1/}	7% O ₂ ^{2/}		
Boiler No. 2	1. Carbon Monoxide*	Non-Dispersive Infrared Method (US.EPA Method 10)	10:05 a.m.-10:11 a.m.	267	385	690	ppm

Remark : ^{1/}Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions.
With the volume of oxygen in the waste air at real conditions while measuring

: ^{2/}Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions.
With 50% excess air combustion volume or 7% oxygen volume in waste air

* = Results analyzed by EMEX ASSOCIATION CO., LTD.

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

Approved Signature
27/05/2567



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051141/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 12.5	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 1.20	Ambient Temperature (°C)	: 35
Temperature (°C)	: 141	Type of Process	: Boiler
Gas Velocity (m/s)	: 7.43	Type of Fuel	: Rubber wood
Flow Rate (Nm ³ /h)	: 20653.20	Type of Air Pollution	: Cyclone
Oxygen (%)	: 12.67	GPS	: 47P 0756616 E, 1453943 N
Carbon Dioxide (%)	: 6.76	Sampling Date	: 08/05/2024
Moisture (%)	: 4.84	Received Date	: 10/05/2024
Isokinetic (%)	: 101.01	Analytical Date	: 10-24/05/2024
Excess Air (%)	: 147.13	Reported Date	: 27/05/2024
Shape	: Circle	Sampling By	: Mr. Anupong Namsrithan (ว-100-จ-6515)
		Analyzed By	: Miss Siriwan Boonpeng (ว-100-จ-7638)

Location	Parameter	Method of Analysis	Time	Result		Standard	Unit
				% Actual O ₂ ^{1/}	7% O ₂ ^{2/}		
Boiler No. 3	1. Total Suspended Particulate	Gravimetric Method (US.EPA Method 5)	11:50 a.m.-00:30 p.m.	41	69	320	mg/m ³
	2. Sulfur Dioxide	Barium-Thorin Titrimetric Method (US.EPA Method 6)	01:05 p.m.-01:25 p.m.	<0.1	<0.2	60	ppm
	3. Oxide of Nitrogen as Nitrogen Dioxide	Phenoldisulfonic Acid Method (US.EPA Method 7)	11:40 a.m.-11:46 a.m.	20	34	200	ppm
	4. Opacity	Ringelmann's Method (US.EPA Method 9)	01:30 p.m.-01:45 p.m.	5.75	-	10 ^[1]	%

Remark : Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions. With the volume of oxygen in the waste air at real conditions while measuring

: Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions. With 50% excess air combustion volume or 7% oxygen volume in waste air

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

Standard^[1] : Notification of the Ministry of Natural Resources and Environment on establishing standards for opacity of smoke smut from sta

: Notification of Mi

= Not configured

Technical Manager
(ว-100-ค-4859)
27/05/2024



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 051145/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 12.5	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 1.20	Ambient Temperature (°C)	: 35
Temperature (°C)	: 141	Type of Process	: Boiler
Gas Velocity (m/s)	: 7.43	Type of Fuel	: Rubber wood
Flow Rate (Nm ³ /h)	: 20653.20	Type of Air Pollution	: Cyclone
Oxygen (%)	12.67	GPS	: 47P 0756616 E, 1453943 N
Carbon Dioxide (%)	: 6.76	Sampling Date	: 08/05/2024
Moisture (%)	: 4.84	Received Date	: 10/05/2024
Isokinetic (%)	: 101.01	Analytical Date	: 10-24/05/2024
Excess Air (%)	: 147.13	Reported Date	: 27/05/2024
Shape	: Circle	Sampling By	: Mr. Anupong Namsrithan
		Analyzed By	: -

Location	Parameter	Method of Analysis	Time	Result		Standard	Unit
				% Actual O ₂ ^{1/}	7% O ₂ ^{2/}		
Boiler No. 3	1. Carbon Monoxide*	Non-Dispersive Infrared Method (US.EPA Method 10)	11:40 a.m.-11:46 a.m.	195	329	690	ppm

Remark : ^{1/}Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions.
With the volume of oxygen in the waste air at real conditions while measuring

: ^{2/}Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions.
With 50% excess air combustion volume or 7% oxygen volume in waste air

* = Results analyzed by EMEX ASSCIATION CO., LTD.

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

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27/05/2567



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051142/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 23.0	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 1.20	Ambient Temperature (°C)	: 37
Temperature (°C)	: 145	Type of Process	: Combustion
Gas Velocity (m/s)	: 8.05	Type of Fuel	: Biomass
Flow Rate (Nm ³ /h)	: 22261.08	Type of Air Pollution	: Cyclone
Oxygen (%)	: 11.53	GPS	: 47P 0756612 E, 1453951 N
Carbon Dioxide (%)	: 9.10	Sampling Date	: 08/05/2024
Moisture (%)	: 4.38	Received Date	: 10/05/2024
Isokinetic (%)	: 99.93	Analytical Date	: 10-24/05/2024
Excess Air (%)	: 122.12	Reported Date	: 27/05/2024
Shape	: Circle	Sampling By	: Mr. Anupong Namsrithan (ว-100-จ-6515)
		Analyzed By	: Miss Siriwan Boonpeng (ว-100-จ-7638)

Location	Parameter	Method of Analysis	Time	Result		Standard	Unit
				% Actual O ₂ ^{1/}	7% O ₂ ^{2/}		
Boiler No. 6	1. Total Suspended Particulate	Gravimetric Method (US.EPA Method 5)	02:00 p.m.-02:40 p.m.	16	24	320	mg/m ³
	2. Sulfur Dioxide	Barium-Thorin Titrimetric Method (US.EPA Method 6)	02:45 p.m.-03:05 p.m.	<0.1	<0.1	60	ppm
	3. Oxide of Nitrogen as Nitrogen Dioxide	Phenoldisulfonic Acid Method (US.EPA Method 7)	01:52 p.m.-01:58 p.m.	21	31	200	ppm
	4. Opacity	Ringelmann's Method (US.EPA Method 9)	03:08 p.m.-03:23 p.m.	5.79	-	10 ^[1]	%

Remark : Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions. With the volume of oxygen in the waste air at real conditions while measuring

: Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions. With 50% excess air combustion volume or 7% oxygen volume in waste air

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

Standard^[1] : Notification of the Ministry of Natural Resources and Environment on establishing standards for opacity of smoke smut from establishments

: Notification of Ministry of Natural Resources and Environment on establishing standards for opacity of smoke from establishments (2006)

- = Not configured

Technical Manager
(ว-100-ก-4859)
27/05/2024



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 051146/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 23.0	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 1.20	Ambient Temperature (°C)	: 37
Temperature (°C)	: 145	Type of Process	: Combustion
Gas Velocity (m/s)	: 8.05	Type of Fuel	: Biomass
Flow Rate (Nm ³ /h)	: 22261.08	Type of Air Pollution	: Cyclone
Oxygen (%)	: 11.53	GPS	: 47P 0756612 E, 1453951 N
Carbon Dioxide (%)	: 9.10	Sampling Date	: 08/05/2024
Moisture (%)	: 4.38	Received Date	: 10/05/2024
Isokinetic (%)	: 99.93	Analytical Date	: 10-24/05/2024
Excess Air (%)	: 122.12	Reported Date	: 27/05/2024
Shape	: Circle	Sampling By	: Mr. Anupong Namsrithan
		Analyzed By	: -

Location	Parameter	Method of Analysis	Time	Result		Standard	Unit
				% Actual O ₂ ^{1/}	7% O ₂ ^{2/}		
Boiler No. 6	1. Carbon Monoxide*	Non-Dispersive Infrared Method (US.EPA Method 10)	01:52 p.m.-01:58 p.m.	275	408	690	ppm

Remark : ^{1/}Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions. With the volume of oxygen in the waste air at real conditions while measuring

: ^{2/}Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions. With 50% excess air combustion volume or 7% oxygen volume in waste air

* = Results analyzed by EMEX ASSOCIATION CO., LTD.

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

Approved Signature

27/05/2567



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051143/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 3.0	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 0.20	Ambient Temperature (°C)	: 36
Temperature (°C)	: 27	Type of Process	: Process
Gas Velocity (m/s)	: 9.04	Type of Fuel	: -
Flow Rate (Nm ³ /h)	: 974.58	Type of Air Pollution	: -
Oxygen (%)	: 20.90	GPS	: 47P 0756612 E, 1453951 N
Carbon Dioxide (%)	: 0.00	Sampling Date	: 08/05/2024
Moisture (%)	: 3.72	Received Date	: 10/05/2024
Isokinetic (%)	: 107.87	Analytical Date	: 10-24/05/2024
Excess Air (%)	: -	Reported Date	: 27/05/2024
Shape	: Circle	Sampling By	: Mr. Anupong Namsrithan (ว-100-จ-6515)
		Analyzed By	: Miss Siriwan Boonpeng (ว-100-จ-7638)

Location	Parameter	Method of Analysis	Time	Result	Standard	Unit
Hood Lab	1. Sulfuric Acid	Barium-Thorin Titrimetric Method (US.EPA Method 8)	03:31 p.m.-04:11 p.m.	<0.1	25	ppm

Remark : Normal reference condition is 25 degrees Celsius at 1 atm or 760 mmHg and is dry basis, in the actual conditions.

There is an excess volume of air in combustion (Excess Air).

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

Technical Manager

(ว-100-ก-4859)

27/05/2024



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051147/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED

Stack Description		Sampling Condition	
Stack Height from Ground (m)	: 8.0	Atmospheric Pressure (mm.Hg)	: 758
Diameter (m)	: 0.50x0.50	Ambient Temperature (°C)	: 35
Temperature (°C)	: 47	Type of Process	: Process
Gas Velocity (m/s)	: 12.60	Type of Fuel	: -
Flow Rate (Nm ³ /h)	: 10147.25	Type of Air Pollution	: Bag filter
Oxygen (%)	: 20.90	GPS	: 47P 0756445 E, 1453804 N
Carbon Dioxide (%)	: 0.00	Sampling Date	: 08/05/2024
Moisture (%)	: 3.72	Received Date	: 10/05/2024
Isokinetic (%)	: 107.69	Analytical Date	: 10-24/05/2024
Excess Air (%)	: -	Reported Date	: 27/05/2024
Shape	: Square	Sampling By	: Mr. Anupong Namsrithan (จ-100-จ-6515)
		Analyzed By	: Miss Siriwan Boonpeng (จ-100-จ-7638)

Location	Parameter	Method of Analysis	Time	Result	Standard	Unit
				% Actual O ₂ ^{1/}		
Bag Filter No. 1	1. Total Suspended Particulate	Gravimetric Method (US.EPA Method 5)	02:01 p.m.-02:41 p.m.	2	400	mg/m ³

Remark : ^{1/}Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions. With the volume of oxygen in the waste air at real conditions while measuring

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

(จ-100-จ-4859)

27/05/2567

Analysis results refer to submitted sample(s) only

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ORIGINAL

REF .NO. : PM 67/0499

REPORT NO. : 051148/2024

ANALYSIS REPORT

CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR : ENVIRONMENT DEPARTMENT
CLIENT NAME : P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED

Stack Description

Stack Height from Ground (m) : 8.0
Diameter (m) : 0.50x0.50
Temperature (°C) : 48
Gas Velocity (m/s) : 12.82
Flow Rate (Nm³/h) : 10285.59
Oxygen (%) : 20.90
Carbon Dioxide (%) : 0.00
Moisture (%) : 3.80
Isokinetic (%) : -
Excess Air (%) : 105.07
Shape : Square

Sampling Condition

Atmospheric Pressure (mm.Hg) : 758
Ambient Temperature (°C) : 36
Type of Process : Process
Type of Fuel : -
Type of Air Pollution : Bag filter
GPS : 47P 0756448 E, 1453810 N
Sampling Date : 08/05/2024
Received Date : 10/05/2024
Analytical Date : 10-24/05/2024
Reported Date : 27/05/2024
Sampling By : Mr. Anupong Namsrihan (ว-100-จ-6515)
Analyzed By : Miss Siriwan Boonpeng (ว-100-จ-7638)

Location	Parameter	Method of Analysis	Time	Result	Standard	Unit
				% Actual O ₂ ^{1/}		
Bag Filter No. 2	1. Total Suspended Particulate	Gravimetric Method (US.EPA Method 5)	02:50 p.m.-03:30 p.m.	1	400	mg/m ³

Remark : ^{1/}Normal reference conditions are 25 degrees Celsius at 1 atm or 760 mmHg and dry basis, in the actual conditions. With the volume of oxygen in the waste air at real conditions while measuring

Standard : Notification of the Ministry of Industry B.E.2549 (2006)

(ว-100-ค-4859)

27/05/2567



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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 021062/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	10/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Mr. Santipap Khaonual	
Analytical Date	:	14-27/05/2024	Analyst By	:	Miss Nitsara Phananikit	
Location	Parameters	Method of Analysis	Time	Result	Standard	Unit
Fac.1, cassava field area	1. Total Dust	Gravimetric Method (NIOSH 0500)	13:30 a.m.-15:30 a.m.	1.13	15 ^[1]	mg/m ³
	2. Copper Fume	Digestion, ICP Method (NIOSH 7301)	13:30 a.m.-15:30 a.m.	<0.0001	0.1 ^[1]	mg/m ³
	3. Sodium Hydroxide	Titrimetric Method (NIOSH 7401)	13:30 a.m.-15:30 a.m.	<0.001	2	mg/m ³
	4. Hydrogen Chloride	IC Method (OSHA ID 174SG)	13:30 a.m.-15:30 a.m.	<0.01	5	ppm
	5. Chlorine	IC Method (NIOSH 6011)	13:30 a.m.-15:30 a.m.	<0.01	1	ppm

Standard : Notification of Department of Labor Protection and Welfare, Concentration Limitation of Hazardous Substances, 2017.

Standard^[1] : Occupational Safety and Health Administration (OSHA).

Technical Manager

28/05/2024

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ORIGINAL

REF.NO. : PM 67/0499-1

REPORT NO. : 021541/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	17/06/2024	Report Date	:	04/07/2024	
Received Date	:	18/06/2024	Sampling By	:	Mr. Anupong Namsrithan	
Analytical Date	:	19/06/-03/07/2024	Analyst By	:	Miss Nitsara Phananikit	

Location	Parameters	Method of Analysis	Time	Result	Standard	Unit
Fac. 1 Turbo	1. Sodium Hydroxide	Titrimetric Method (NIOSH 7401)	08:35 a.m.-10:35 a.m.	<0.001	2	mg/m ³
	2. Hydrogen Chloride	IC Method (OSHA ID 1745G)	08:35 a.m.-10:35 a.m.	<0.01	5	ppm
	3. Chlorine	IC Method (NIOSH 6011)	08:35 a.m.-10:35 a.m.	<0.01	1	ppm

Standard : Notification of Department of Labor Protection and Welfare, Concentration Limitation of Hazardous Substances, 2017.



Authorized Manager

04/07/2024

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REF.NO. : PM 67/0499-1

REPORT NO. : 021540/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	17/06/2024	Report Date	:	04/07/2024	
Received Date	:	18/06/2024	Sampling By	:	Mr. Anupong Namsrithan	
Analytical Date	:	19/06/-03/07/2024	Analyst By	:	Miss Nitsara Phananikit	
Location	Parameters	Method of Analysis	Time	Result	Standard	Unit
Electrical Room	1. Total Dust	Gravimetric Method (NIOSH 0500)	08:30 a.m.-10:30 a.m.	0.667	15 ^[1]	mg/m ³
	2. Copper Fume	Digestion, ICP Method (NIOSH 7301)	08:30 a.m.-10:30 a.m.	<0.0001	0.1 ^[1]	mg/m ³
	3. Sodium Hydroxide	Titrimetric Method (NIOSH 7401)	08:30 a.m.-10:30 a.m.	<0.001	2	mg/m ³
	4. Hydrogen Chloride	IC Method (OSHA ID 174SG)	08:30 a.m.-10:30 a.m.	<0.01	5	ppm
	5. Chlorine	IC Method (NIOSH 6011)	08:30 a.m.-10:30 a.m.	<0.01	1	ppm

Standard : Notification of Department of Labor Protection and Welfare, Concentration Limitation of Hazardous Substances, 2017.

Standard^[1] : Occupational Safety and Health Administration (OSHA).

Technical Manager

04/07/2024

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 021065/2023

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	10/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Mr. Santipap Khaonual
Analytical Date	:	14-27/05/2024	Analyst By	:	Miss Nitsara Phananikit

Location	Parameters	Method of Analysis	Time	Result	Standard	Unit
Fac.2 Laboratory	1. Total Dust	Gravimetric Method (NIOSH 0500)	09:30 a.m.-11:30 a.m.	0.667	15 ^[1]	mg/m ³
	2. Copper Fume	Digestion, ICP Method (NIOSH 7301)	09:30 a.m.-11:30 a.m.	<0.0001	0.1 ^[1]	mg/m ³
	3. Sodium Hydroxide	Titrimetric Method (NIOSH 7401)	09:30 a.m.-11:30 a.m.	0.163	2	mg/m ³
	4. Hydrogen Chloride	IC Method (OSHA ID 174SG)	09:30 a.m.-11:30 a.m.	<0.01	5	ppm
	5. Chlorine	IC Method (NIOSH 6011)	09:30 a.m.-11:30 a.m.	<0.01	1	ppm

Standard : Notification of Department of Labor Protection and Welfare, Concentration Limitation of Hazardous Substances, 2017.

Standard^[1] : Occupational Safety and Health Administration (OSHA).

Technical Manager

28/05/2024

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 021063/2023

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	10/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Mr. Santipap Khaonual	
Analytical Date	:	14-27/05/2024	Analyst By	:	Miss Nitsara Phananikit	
Location	Parameters	Method of Analysis	Time	Result	Standard	Unit
Fac.3 Filtration Process (Activated Carbon)	1. Total Dust	Gravimetric Method (NIOSH 0500)	09:36 a.m.-11:38 a.m.	0.794	15 ^[1]	mg/m ³
	2. Copper Fume	Digestion, ICP Method (NIOSH 7301)	09:36 a.m.-11:38 a.m.	<0.0001	0.1 ^[1]	mg/m ³
	3. Sodium Hydroxide	Titrimetric Method (NIOSH 7401)	09:36 a.m.-11:38 a.m.	<0.001	2	mg/m ³
	4. Hydrogen Chloride	IC Method (OSHA ID 174SG)	09:36 a.m.-11:38 a.m.	<0.01	5	ppm
	5. Chlorine	IC Method (NIOSH 6011)	09:36 a.m.-11:38 a.m.	<0.01	1	ppm

Standard : Notification of Department of Labor Protection and Welfare, Concentration Limitation of Hazardous Substances, 2017.

Standard^[1] : Occupational Safety and Health Administration (OSHA).

Technical Manager

28/05/2024

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 021064/2023

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	10/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Mr. Santipap Khaonual	
Analytical Date	:	14-27/05/2024	Analyst By	:	Miss Nitsara Phananikit	
Location	Parameters	Method of Analysis	Time	Result	Standard	Unit
Fac.I Filtration Process (Resin)	1. Total Dust	Gravimetric Method (NIOSH 0500)	09:47 a.m.-00:00 p.m.	0.376	15 ^[1]	mg/m ³
	2. Copper Fume	Digestion, ICP Method (NIOSH 7301)	09:47 a.m.-00:00 p.m.	<0.0001	0.1 ^[1]	mg/m ³
	3. Sodium Hydroxide	Titrimetric Method (NIOSH 7401)	09:47 a.m.-00:00 p.m.	0.442	2	mg/m ³
	4. Hydrogen Chloride	IC Method (OSHA ID 174SG)	09:47 a.m.-00:00 p.m.	<0.01	5	ppm
	5. Chlorine	IC Method (NIOSH 6011)	09:47 a.m.-00:00 p.m.	<0.01	1	ppm

Standard : Notification of Department of Labor Protection and Welfare, Concentration Limitation of Hazardous Substances, 2017.

Standard^[1] : Occupational Safety and Health Administration (OSHA).

Technical Manager

28/05/2024

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ORIGINAL

REF.NO. : PM 67/0499-1

REPORT NO. : 042392/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	17/06/2024	Report Date	:	04/07/2024
Received Date	:	24/06/2024	Sampling By	:	Ms. Suphakkharin Konmani
Analytical Date	:	25/06-03/07/2024	Analyst By	:	-
Time	Location				
	Fac.1 Decanter Centrifuge Area				
	Leq 1 hr		L _{max}		
09:00 a.m.- 10:00 a.m.	85.1		105.5		
10:00 a.m.- 11:00 a.m.	84.2		92.6		
11:00 a.m.- 00:00 p.m.	85.2		92.0		
00:00 p.m.- 01:00 p.m.	86.8		92.9		
01:00 p.m.- 02:00 p.m.	86.7		92.4		
02:00 p.m.- 03:00 p.m.	86.3		102.4		
03:00 p.m.- 04:00 p.m.	81.6		108.4		
04:00 pm.- 05:00 p.m.	75.4		104.5		
TWA 8 hr	85		-		
TWA 8 hr (Lmax)	-		108.4		
Standard	85/90 ^[1]		115 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003).

M

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ORIGINAL

REF.NO. : PM 67/0499-1

REPORT NO. : 042393/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	17/06/2024	Report Date	:	04/07/2024
Received Date	:	24/06/2024	Sampling By	:	Ms. Suphakkharin Konmani
Analytical Date	:	25/06-03/07/2024	Analyst By	:	-

Time	Location	
	Fac.1 Cassava Grinding and Milling Area	
	Leq 1 hr	L _{max}
09:00 a.m.- 10:00 a.m.	85.9	104.0
10:00 a.m.- 11:00 a.m.	84.6	96.3
11:00 a.m.- 00:00 p.m.	86.3	94.2
00:00 p.m.- 01:00 p.m.	86.4	89.7
01:00 p.m.- 02:00 p.m.	87.5	91.4
02:00 p.m.- 03:00 p.m.	85.7	95.9
03:00 p.m.- 04:00 p.m.	76.3	99.2
04:00 pm.- 05:00 p.m.	65.4	88.4
TWA 8 hr	85	-
TWA 8 hr (L _{max})	-	104.0
Standard	85/90 ^[1]	115 ^[1]
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003).

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041668/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED		
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190		
COORDINATOR	:	ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733		
Sampling Date	:	08/05/2024	Report Date	: 28/05/2024
Received Date	:	14/05/2024	Sampling By	: Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	: -
Time	Location			
	Fac.2 Laboratory			
	Leq 1 hr		L _{max}	
09:00 a.m.- 10:00 a.m.	82.6		87.4	
10:00 a.m.- 11:00 a.m.	82.3		83.5	
11:00 a.m.- 00:00 p.m.	81.9		83.2	
00:00 p.m.- 01:00 p.m.	82.5		85.0	
01:00 p.m.- 02:00 p.m.	82.6		85.4	
02:00 p.m.- 03:00 p.m.	83.0		85.7	
03:00 p.m.- 04:00 p.m.	83.2		86.7	
04:00 pm.- 05:00 p.m.	82.9		85.7	
TWA 8 hr	83		-	
TWA 8 hr (Lmax)	-		87.4	
Standard	85/90 ^[1]		115 ^[1]	
Unit	dB(A)			

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003).

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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041669/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-
Time	Location				
	Fac.3 Batch vacuum pan (Glucose syrup)				
	Leq 1 hr		L _{max}		
09:00 a.m.- 10:00 a.m.	83.7		91.7		
10:00 a.m.- 11:00 a.m.	79.6		92.3		
11:00 a.m.- 00:00 p.m.	78.8		88.2		
00:00 p.m.- 01:00 p.m.	81.8		89.3		
01:00 p.m.- 02:00 p.m.	81.5		96.4		
02:00 p.m.- 03:00 p.m.	82.5		98.1		
03:00 p.m.- 04:00 p.m.	77.8		95.3		
04:00 pm.- 05:00 p.m.	82.7		98.3		
TWA 8 hr	82		-		
TWA 8 hr (Lmax)	-		98.3		
Standard	85/90 ^[1]		115 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041670/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-
Time	Location				
	Fac.4 Batch vacuum pan (6 Step)				
	Leq 1 hr		L _{max}		
09:00 a.m.- 10:00 a.m.	75.5		85.4		
10:00 a.m.- 11:00 a.m.	72.0		82.4		
11:00 a.m.- 00:00 p.m.	72.0		85.2		
00:00 p.m.- 01:00 p.m.	74.8		85.1		
01:00 p.m.- 02:00 p.m.	73.6		86.3		
02:00 p.m.- 03:00 p.m.	80.0		86.8		
03:00 p.m.- 04:00 p.m.	79.2		86.6		
04:00 pm.- 05:00 p.m.	79.5		86.9		
TWA 8 hr	77		-		
TWA 8 hr (Lmax)	-		86.9		
Standard	85/90 ⁽¹⁾		115 ⁽¹⁾		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041671/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-
Time	Location				
	Fac. I Filtration Process (Resin)				
	Leq 1 hr		L _{max}		
09:00 a.m.- 10:00 a.m.	71.7		81.4		
10:00 a.m.- 11:00 a.m.	69.9		91.0		
11:00 a.m.- 00:00 p.m.	69.1		79.4		
00:00 p.m.- 01:00 p.m.	71.7		79.1		
01:00 p.m.- 02:00 p.m.	70.0		88.2		
02:00 p.m.- 03:00 p.m.	83.4		105.9		
03:00 p.m.- 04:00 p.m.	73.7		79.7		
04:00 pm.- 05:00 p.m.	74.1		80.1		
TWA 8 hr	76		-		
TWA 8 hr (Lmax)	-		105.9		
Standard	85/90 ^[1]		115 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041672/2024

ANALYSIS REPORT

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	: 08/05/2024	Report Date	: 28/05/2024
Received Date	: 14/05/2024	Sampling By	: Ms.Laddawan Wongkamjan
Analytical Date	: 14-27/05/2024	Analyst By	: -

Time	Location	
	Fac.5 Maintenance	
	Leq 1 hr	L _{max}
09:00 a.m.- 10:00 a.m.	78.5	94.9
10:00 a.m.- 11:00 a.m.	75.1	89.0
11:00 a.m.- 00:00 p.m.	67.6	80.9
00:00 p.m.- 01:00 p.m.	79.3	94.8
01:00 p.m.- 02:00 p.m.	78.0	94.6
02:00 p.m.- 03:00 p.m.	77.1	94.4
03:00 p.m.- 04:00 p.m.	79.6	95.1
04:00 pm.- 05:00 p.m.	78.3	94.9
TWA 8 hr	78	-
TWA 8 hr (L _{max})	-	95.1
Standard	85/90 ⁽¹⁾	115 ⁽¹⁾
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041673/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Time	Location	
	Boiler No.1	
	Leq 1 hr	L _{max}
09:00 a.m.- 10:00 a.m.	80.6	97.1
10:00 a.m.- 11:00 a.m.	79.2	94.7
11:00 a.m.- 00:00 p.m.	81.9	98.5
00:00 p.m.- 01:00 p.m.	79.3	94.8
01:00 p.m.- 02:00 p.m.	78.1	83.3
02:00 p.m.- 03:00 p.m.	80.2	94.7
03:00 p.m.- 04:00 p.m.	80.6	93.6
04:00 pm.- 05:00 p.m.	80.5	95.0
TWA 8 hr	80	-
TWA 8 hr (L _{max})	-	98.5
Standard	85/90 ^[1]	115 ^[1]
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041674/2024

ANALYSIS REPORT

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	: 08/05/2024	Report Date	: 28/05/2024
Received Date	: 14/05/2024	Sampling By	: Ms.Laddawan Wongkamjan
Analytical Date	: 14-27/05/2024	Analyst By	: -

Time	Location	
	Boiler No.2	
	Leq 1 hr	L _{max}
09:00 a.m.- 10:00 a.m.	78.8	96.9
10:00 a.m.- 11:00 a.m.	76.9	93.8
11:00 a.m.- 00:00 p.m.	79.7	98.7
00:00 p.m.- 01:00 p.m.	75.1	93.4
01:00 p.m.- 02:00 p.m.	77.2	86.6
02:00 p.m.- 03:00 p.m.	78.4	94.0
03:00 p.m.- 04:00 p.m.	78.7	91.9
04:00 pm.- 05:00 p.m.	77.5	86.9
TWA 8 hr	78	-
TWA 8 hr (L _{max})	-	98.7
Standard	85/90 ^[1]	115 ^[1]
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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REF.NO. : PM 67/0499

REPORT NO. : 041675/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-
Time	Location				
	Boiler No.3				
	Leq 1 hr		L _{max}		
09:00 a.m.- 10:00 a.m.	79.0		97.1		
10:00 a.m.- 11:00 a.m.	77.1		94.0		
11:00 a.m.- 00:00 p.m.	79.9		98.9		
00:00 p.m.- 01:00 p.m.	75.3		93.6		
01:00 p.m.- 02:00 p.m.	77.4		86.8		
02:00 p.m.- 03:00 p.m.	78.6		94.2		
03:00 p.m.- 04:00 p.m.	78.9		92.1		
04:00 pm.- 05:00 p.m.	77.7		87.1		
TWA 8 hr	78		-		
TWA 8 hr (Lmax)	-		98.9		
Standard	85/90 ^[1]		115 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041676/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-
Time	Location				
	Boiler No.4				
	Leq 1 hr		L _{max}		
09:00 a.m.- 10:00 a.m.	79.3		97.4		
10:00 a.m.- 11:00 a.m.	77.4		94.3		
11:00 a.m.- 00:00 p.m.	80.2		99.2		
00:00 p.m.- 01:00 p.m.	75.6		93.9		
01:00 p.m.- 02:00 p.m.	77.7		87.1		
02:00 p.m.- 03:00 p.m.	78.9		94.5		
03:00 p.m.- 04:00 p.m.	79.2		92.4		
04:00 pm.- 05:00 p.m.	78.0		87.4		
TWA 8 hr	79		-		
TWA 8 hr (Lmax)	-		99.2		
Standard	85/90 ^[1]		115 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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REF.NO. : PM 67/0499

REPORT NO. : 041677/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Fac.2 (First floor) – Evaporation Left						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:30-11:30a.m.	Control the operation of the boiler	26.5	31.7	34.4	28.9	28.9
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041678/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Fac.2 (Second floor) – Evaporation Left						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:33-11:33 a.m.	Control the operation of the boiler	26.6	33.2	35.4	29.2	29.2
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

28/05/2024

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041679/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Fac.2 (Second floor) – Evaporation Right						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:34-11:34 a.m.	Control the operation of the boiler	26.6	33.5	35.7	29.3	29.3
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

28/05/2024

Analysis results refer to submitted sample(s) only

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041680/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Fac.2 (Third floor) – Evaporation Left						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:35-11:35 a.m.	Control the operation of the boiler	26.8	33.7	35.9	29.5	29.5
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041681/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	09/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan	
Analytical Date	:	14-27/05/2024	Analyst By	:	-	
Location						
Fac.2 (Third floor) – Evaporation Right						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT (Average)
09:36-09:36 a.m.	Control the operation of the boiler	26.8	33.9	36.0	29.6	29.6
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)



Measurement Staff and Analyst

28/05/2024

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REF.NO. : PM 67/0499

REPORT NO. : 041682/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Fac.3 Batch vacuum pan 5 Step						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:40-11:40 a.m.	Control the work of stew pot	29.0	37.0	40.0	32.0	32.0
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)



REF.NO. : PM 67/0499

REPORT NO. : 041683/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	09/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan	
Analytical Date	:	14-27/05/2024	Analyst By	:	-	
Location						
Fac.3 Batch vacuum pan Right						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT (Average)
09:45-11:45 a.m.	Control the work of stew pot	27.0	33.2	36.4	29.8	29.8
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)



28/05/2024

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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041684/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	09/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan	
Analytical Date	:	14-27/05/2024	Analyst By	:	-	
Location						
Fac.3 Filtration Process (Activated Carbon)						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:46-11:46 a.m.	Control the operation of the filter pot	27.3	34.6	37.3	30.3	30.3
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)



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REF.NO. : PM 67/0499

REPORT NO. : 041685/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Fac.4 Batch vacuum pan						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:50-11:50 a.m.	Control the work of stew pot	27.2	33.7	36.9	30.1	30.1
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

28/05/2024

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REF.NO. : PM 67/0499

REPORT NO. : 041686/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
Sampling Date	:	09/05/2024	Report Date	:	28/05/2024	
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan	
Analytical Date	:	14-27/05/2024	Analyst By	:	-	
Location						
Fac.5 Maintenance						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:54-11:54 a.m.	Equipment repair	27.0	33.4	35.8	29.6	29.6
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method
WBGT = Wet Bulb Globe Temperature
GT = Globe Temperature
DB = Dry Bulb Temperature
NWB = Natural Wet Bulb Temperature
Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)



28/05/2024

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REF.NO. : PM 67/0499

REPORT NO. : 041687/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Boiler No.1 Between No.2						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:55-11:55 a.m.	Control the operation of the stove	28.0	36.3	38.2	31.1	31.1
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

28/05/2024

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041688/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Boiler No.2 Between No.3						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT (Average)
09:56-11:56 a.m.	Control the operation of the stove	28.1	36.4	38.3	31.2	31.2
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

28/05/2024

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REF.NO. : PM 67/0499

REPORT NO. : 041689/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Boiler No.3 Between No.4						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT _(Average)
09:57-11:57 a.m.	Control the operation of the stove	28.2	36.5	38.4	31.3	31.3
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)

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REF.NO. : PM 67/0499

REPORT NO. : 041690/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	09/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location						
Boiler No.4 Between No.5						
Time	Process	Heat Stress (°C)			Result (°C)	
		NWB	DB	GT	WBGT	WBGT ^(Average)
09:58-11:58 a.m.	Control the operation of the stove	28.0	36.2	38.1	31.0	31.0
Standard		-	-	-	32	
Unit		°C				

Remark : Sampling Method = ACGIH Method

WBGT = Wet Bulb Globe Temperature

GT = Globe Temperature

DB = Dry Bulb Temperature

NWB = Natural Wet Bulb Temperature

Standard : Standard Ministerial Regulations the Standard of Management and Operation on Safety, Occupation, And Workplace Environment Regarding to Heat, Light and Noise, B.E.2559 (2016)



28/05/2024

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ระดับความเข้มแสงสว่าง



REF.NO. : PM 67/0499

REPORT NO. : 041691/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
<u>Office Store</u>			
1. K. Wiphat's desk	Document/Computer work	460	400-500
2. K. La-ong's desk	Document/Computer work	414	400-500
3. K. Sukanya's desk	Document/Computer work	420	400-500
4. K. Somjit's desk	Document/Computer work	427	400-500
<u>Office</u>			
5. K. Prapawadee's desk	Computer work	430	400-500
6. K. Methini's desk	Computer work	514	400-500
7. K. Sasikarn's desk	Computer work	439	400-500
8. K. Wannapa's desk	Computer work	412	400-500
9. K. Wilasinee's desk	Computer work	419	400-500
10. K. Panadda's desk	Computer work	423	400-500
11. K. Kanokwan's desk	Computer work	439	400-500
12. K. Arisa's desk	Computer work	426	400-500
13. K. Tanya's desk	Computer work	427	400-500
14. K. Kanokporn's desk	Computer work	433	400-500
15. K. Wasinee's desk	Computer work	422	400-500
16. K. Rungthiwa's desk	Computer work	420	400-500
17. K. Noppawan's desk	Computer work	416	400-500
18. K. Pornthip's desk	Computer work	414	400-500
19. K. Sombat's desk	Computer work	436	400-500
<u>Office (Environmental Department)</u>			
20. K. Pongsupa's desk	Computer work	637	400-500
21. K. Wasin's desk	Computer work	949	400-500
<u>Office (Human Resources Department)</u>			
22. K. Duanghsthai's desk	Computer work	975	400-500
23. K. Nichchakamon's desk	Computer work	820	400-500
24. K. Pornthip's desk NO.1	Computer work	869	400-500
25. K. Pornthip's desk NO.2	Computer work	545	400-500
26. K. Konlawat's desk	Computer work	610	400-500
27. K. Singkhon's desk	Computer work	429	400-500
<u>Office (Safety)</u>			
28. K. Kittiya's desk	Computer work	440	400-500
29. K. Ketmanee's desk	Computer work	416	400-500
30. K. Wijittra's desk	Computer work	449	400-500
31. K. Napawan's desk	Computer work	414	400-500



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041691/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
<u>Managing Director</u>			
32. K. Sutheera's desk	Computer work	435	400-500
33. K. Sumol's desk	Computer work	439	400-500
<u>Office (Engineering Department)</u>			
34. K. Phinyo's desk	Computer work	403	400-500
35. K. Tom's desk	Computer work	405	400-500
<u>Office (Next to the hospital room)</u>			
36. K. Mana's desk	Computer work	412	400-500
<u>Fac.1 (Grinding and Milling)</u>			
37. Conveyor belts No.2	Check work/general	317	200-300
38. M/C Decator	Check valve	323	200-300
39. Turbo sleeper	Check valve	330	200-300
40. Hydrocyclone	General inspection/check valve	338	200-300
41. Electrical Control Room 3	General inspection/control cabinet	326	200-300
42. Maintenance	General work inspection/cutting	373	200-300
43. Belt Press	General work inspection/scrubbing	343	200-300
<u>Fac.1 (Instrument room)</u>			
44. K. Channarong's desk	Document/Computer work	441	400-500
45. K. Wichai 's desk	Document/Computer work	445	400-500
<u>Fac.2 Laboratory</u>			
46. K. Pornthip's desk	Document	405	400-500
47. K. Preeyada's desk	Document	424	400-500
48. K. Katreeya's desk	Document	474	400-500
<u>Fac.2 CNC</u>			
49. CNC MC50H	Forming the work piece	422	200-300
50. CNC LB25	Forming the work piece	316	200-300
51. CNC MHA-600 TC	Forming the work piece	323	200-300
52. CNC BL35	Forming the work piece	340	200-300
<u>Fac.3</u>			
53. Loading 01	Loading/packing	311	200-300
54. Loading 02	Loading/packing	248	200-300
55. Loading 03	Loading/packing	267	200-300
56. Loading 04	Loading/packing	235	200-300
57. Packing 01	Contain	241	200-300



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041691/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
<i>Fac.3 (continue)</i>			
58. Packing 02	Contain	249	200-300
59. Staff (Second floor) K. Anothai	Document/Computer work	423	400-500
60. Nestle (K.Somkhuan 's desk)	Document/Computer work	416	400-500
61. Third floor (Evaporation)	General inspection/check valve	424	200-300
62. Third floor (K.Samathaya's desk)	Document/Computer work	431	400-500
63. Control Room (K.Jitima's desk)	Document/Computer work	446	400-500
64. Decolorization	Document	478	400-500
65. Checkpoint (Crystallize)	General inspection/check valve	453	200-300
66. Checkpoint boiler No.02	Control work in front of the stove	411	200-300
67. Checkpoint boiler No.05	Control work in front of the stove	436	200-300
68. K. Patcharin's desk	Computer work	417	400-500
69. Communal table	Computer work	460	400-500
70. K. Warakorn's desk	Computer work	417	400-500
71. K. Phuangphaka's desk	Computer work	424	400-500
72. Checkpoint (Starch)	Check the color of the powder.	436	200-300
73. K. Singkhon's desk	Computer work	453	400-500
74. K. Nijkamon's desk	Computer work	459	400-500
75. K. Mathis's desk	Computer work	418	400-500
76. K. Chotiros's desk	Computer work	423	400-500
77. K. Kasemane's desk	Computer work	417	400-500
78. K. Teerawut's desk	Computer work	420	400-500
79. K. Witmiya's desk	Computer work	453	400-500

Remark : Sampling Method = Lux Meter

Standard : Announcement of welfare and labor protection The standard story here is that of B.E. 2018

28/05/2024

Analysis results refer to submitted sample(s) only

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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041697/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
1. Kitchen	Cooking room		
	- Average Light Intensity	365	300
	- Minimum Light Intensity	305	150
2. Rest Room	Toilet		
	- Average Light Intensity	265	100
	- Minimum Light Intensity	260	50
3. Men's room (office)	Toilet		
	- Average Light Intensity	234	100
	- Minimum Light Intensity	204	50
4. Ladies' room (office)	Toilet		
	- Average Light Intensity	265	100
	- Minimum Light Intensity	235	50
5. Meeting room 2	Meet		
	- Average Light Intensity	314	300
	- Minimum Light Intensity	309	150
6. Nursing Room	Check and treat		
	- Average Light Intensity	449	300
	- Minimum Light Intensity	437	150
7. footpath Nursing Room	Footpath		
	- Average Light Intensity	655	100
	- Minimum Light Intensity	523	50
8. Office/administrative corrido	Footpath		
	- Average Light Intensity	262	100
	- Minimum Light Intensity	206	50
9. IT room	Computer room		
	- Average Light Intensity	325	300
	- Minimum Light Intensity	317	150
10. Laboratory, Mill	LAB room		
	- Average Light Intensity	687	300
	- Minimum Light Intensity	511	150
11. Control Room	Control room		
	- Average Light Intensity	457	200
	- Minimum Light Intensity	332	100
12. BEND SCREEN	Check valve		
	- Average Light Intensity	237	200
	- Minimum Light Intensity	209	100



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041697/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-
Location		Process		Result (Lux)	Standard (Lux)
13. Men’s room (Fac.1)		Toilet			
		- Average Light Intensity		288	100
		- Minimum Light Intensity		217	50
14. Ladies’ room (Fac.1)		Toilet			
		- Average Light Intensity		218	100
		- Minimum Light Intensity		210	50
15. Electrical Control Room1 (Fac.1)		Electrical control room			
		- Average Light Intensity		458	200
		- Minimum Light Intensity		222	100
16. Electrical Control Room2 (Fac.1)		Electrical control room			
		- Average Light Intensity		305	200
		- Minimum Light Intensity		223	100
17. Electrician		Spare parts storage room			
		- Average Light Intensity		244	200
		- Minimum Light Intensity		240	100
18. Instrument		Spare parts storage room			
		- Average Light Intensity		344	200
		- Minimum Light Intensity		335	100
19. Dissolve tapioca		Raw material storage room			
		- Average Light Intensity		447	100
		- Minimum Light Intensity		234	50
20. Control Room (The liquefaction process)		Control room			
		- Average Light Intensity		422	200
		- Minimum Light Intensity		414	100
21. QA		Sweet bathroom			
		- Average Light Intensity		218	300
		- Minimum Light Intensity		212	150
22. Laboratory Microbiology		LAB room			
		- Average Light Intensity		372	300
		- Minimum Light Intensity		314	150
23. Fire Exit (Fac.2)		Fire escape			
		- Average Light Intensity		177	10
		- Minimum Light Intensity		105	-
24. Fermentation 01		Treatment room			
		- Average Light Intensity		374	300
		- Minimum Light Intensity		214	150



REF.NO. : PM 67/0499

REPORT NO. : 041697/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
25. Emergency exit 01(Glucose Syrup)	Emergency exit		
	- Average Light Intensity	575	10
	- Minimum Light Intensity	346	-
26. Emergency exit 02 (Nestlé)	Emergency exit		
	- Average Light Intensity	380	10
	- Minimum Light Intensity	195	-
27. Control Room (Batch vacuum pan)	Control room		
	- Average Light Intensity	407	200
	- Minimum Light Intensity	228	100
28. Electrical Control Room	Electrical control room		
	- Average Light Intensity	280	200
	- Minimum Light Intensity	210	100
29. Control Room6 Step Nestle	Control room		
	- Average Light Intensity	464	200
	- Minimum Light Intensity	312	100
30. Footpath Isomerized	Footpath		
	- Average Light Intensity	222	100
	- Minimum Light Intensity	219	50
31. Crystallize	Check valve		
	- Average Light Intensity	729	200
	- Minimum Light Intensity	643	100
32. Temperature reducer (mezzanine)	Examine		
	- Average Light Intensity	364	200
	- Minimum Light Intensity	275	100
33. Control Room (MONO)	Mixing room		
	- Average Light Intensity	406	300
	- Minimum Light Intensity	312	150
34. Packing room (MONO)	Packing room		
	- Average Light Intensity	431	300
	- Minimum Light Intensity	417	150
35. Eagle Robot	Storage room		
	- Average Light Intensity	216	200
	- Minimum Light Intensity	205	100
36. Maintenance room	Maintenance room		
	- Average Light Intensity	853	300
	- Minimum Light Intensity	312	150



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ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041697/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
37. Electrical Control Room (Fac.I)	Electrical control room - Average Light Intensity - Minimum Light Intensity	440 216	200 100
38. Men's room (Fac.I)	Toilet - Average Light Intensity - Minimum Light Intensity	216 208	100 50
39. Ladies' room (Fac.I)	Toilet - Average Light Intensity - Minimum Light Intensity	253 214	100 50
40. Control room (Boiler)	Control room - Average Light Intensity - Minimum Light Intensity	621 225	200 100
41. Activated Carbon Room	Mixing room - Average Light Intensity - Minimum Light Intensity	321 219	300 150
42. Chemical Storage (RO)	Chemical storage room - Average Light Intensity - Minimum Light Intensity	458 314	300 150
43. Electrical Control Room (RO2)	Electrical control room - Average Light Intensity - Minimum Light Intensity	430 411	200 100
44. Electrical Control Room (RO1)	Electrical control room - Average Light Intensity - Minimum Light Intensity	575 556	200 100
45. RO factory	Production process - Average Light Intensity - Minimum Light Intensity	513 214	300 150
46. Electrical Control Room (Mono)	Electrical control room - Average Light Intensity - Minimum Light Intensity	239 210	200 100



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 67/0499

REPORT NO. : 041697/2024

ANALYSIS REPORT

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

Sampling Date	:	08/05/2024	Report Date	:	28/05/2024
Received Date	:	14/05/2024	Sampling By	:	Ms.Laddawan Wongkamjan
Analytical Date	:	14-27/05/2024	Analyst By	:	-

Location	Process	Result (Lux)	Standard (Lux)
47. Laboratory Biogas	Lab room		
	- Average Light Intensity	483	200
	- Minimum Light Intensity	403	100

Remark : Sampling Method = Lux Meter

Standard : Announcement of welfare and labor protection The standard story here is that of B.E. 2018



Analysis results refer to submitted sample(s) only

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-1

REPORT NO. : 050208/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 31/01/2024	REPORT DATE	: 15/02/2024
RECEIVED DATE	: 31/01/2024	SAMPLING BY	: Mr. Amon Nonthakiattikul (๖-100-๖-7642)
ANALYTICAL DATE	: 01-09/02/2024	ANALYZED BY	: Miss Piyanut Phutphong (๖-100-๖-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence (CL2)		
SAMPLING TIME	-	02:00	-	p.m.
SAMPLE CONDITION	Observation	Brown Turbid, Heavy SS.	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	6.9	-	-
2. Temperature	Laboratory and Field Method (2550 B)	32	-	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	289	-	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	232	-	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	1.5	-	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	495	-	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	106	-	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	3,600	-	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	-	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	<0.003	-	mg/L
11. Lead	Digestion, ICP Method (3120 B)	0.002	-	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.007	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-1

REPORT NO. : 050209/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 31/01/2024	REPORT DATE	: 15/02/2024
RECEIVED DATE	: 31/01/2024	SAMPLING BY	: Mr. Arnon Nonthakiattikul (๖-100-๖-7642)
ANALYTICAL DATE	: 01-09/02/2024	ANALYZED BY	: Miss Piyanut Phutphong (๖-100-๖-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence (No.8 Pit)		
SAMPLING TIME	-	02:00	-	p.m.
SAMPLE CONDITION	Observation	Brown Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	7.9	5.5-9.0	-
2. Temperature	Laboratory and Field Method (2550 B)	36	40	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	18	20	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	14.0	50	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ² -F)	<0.06	1.0	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	149	120	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	14.1	100	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	496	3,000	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	5	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	<0.003	1.0	mg/L
11. Lead	Digestion, ICP Method (3120 B)	<0.002	0.2	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.001	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

Standard : Notification of Ministry of Industry on setting Standards for Controlling Wastewater Drainage from Factories, B.E. 2017

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

Changwat Nonthaburi 11110

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-2

REPORT NO. : 050312/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 06/02/2024	REPORT DATE	: 20/02/2024
RECEIVED DATE	: 06/02/2024	SAMPLING BY	: Mr.Jirayut Seehabut (๖-100-๖-9557)
ANALYTICAL DATE	: 07-15/02/2024	ANALYZED BY	: Miss Piyanut Phutphong (๖-100-๖-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence (CL2)		
SAMPLING TIME	-	07:00	-	a.m.
SAMPLE CONDITION	Observation	Black Turbid, Heavy SS.	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	6.9	-	-
2. Temperature	Laboratory and Field Method (2550 B)	30	-	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	630	-	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	798	-	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	1.6	-	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	1,600	-	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	84.5	-	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	2,533	-	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	-	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	0.022	-	mg/L
11. Lead	Digestion, ICP Method (3120 B)	0.008	-	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.032	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-2

REPORT NO. : 050313/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	:	ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	:	06/02/2024	REPORT DATE	:	20/02/2024
RECEIVED DATE	:	06/02/2024	SAMPLING BY	:	Mr.Jirayut Seehabut (ว-100-จ-9557)
ANALYTICAL DATE	:	07-15/02/2024	ANALYZED BY	:	Miss Piyanut Phutphong (ว-100-จ-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence (No.8 Pit)		
SAMPLING TIME	-	07:00	-	a.m.
SAMPLE CONDITION	Observation	Yellow Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	7.7	5.5-9.0	-
2. Temperature	Laboratory and Field Method (2550 B)	28	40	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	3	20	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	15.3	50	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ² -F)	<0.06	1.0	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	58	120	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	<LOQ	100	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	525	3,000	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	5	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	0.003	1.0	mg/L
11. Lead	Digestion, ICP Method (3120 B)	0.007	0.2	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.001	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

LOQ = Limit of Quantitation (Total Kjeldahl Nitrogen <10.0 mg/L)

Standard : Notification of Ministry of Natural Resources and Environmental Conservation, Factories, B.E. 2017

- = Not configured for contr

Analysis results refer to submitted sample(s) only

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TESTING
No. 0198
ORIGINAL

REF.NO. : PM 67/0116-3

REPORT NO. : 050587/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 12/03/2024	REPORT DATE	: 23/03/2024
RECEIVED DATE	: 12/03/2024	SAMPLING BY	: Mr.Jirayut Seehabut (ว-100-จ-9557)
ANALYTICAL DATE	: 13-22/03/2024	ANALYZED BY	: Miss Piyanut Phutphong (ว-100-จ-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence (No.8 Pit)		
SAMPLING TIME	-	11:30	-	a.m.
SAMPLE CONDITION	Observation	Green Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	8.7	5.5-9.0	-
2. Temperature	Laboratory and Field Method (2550 B)	31	40	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	7	20	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	14.8	50	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	<0.06	1.0	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	<40	120	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	<LOQ	100	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	467	3,000	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	5	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	<0.003	1.0	mg/L
11. Lead	Digestion, ICP Method (3120 B)	<0.002	0.2	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	<0.001	-	mg/L

Remark :
 Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.
 * = Test result / Analysis Report within the scope of certification.
 LOQ = Limit of Quantitation (Total Kjeldahl Nitrogen <10.0 mg/L)
 Standard : Notification of Ministry of Industry on setting Standards for Controlling Wastewater Drainage from Factories, B.E. 2017
 - = Not configured for control

Analysis results refer to submitted sample(s) only

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TESTING
No.0198
ORIGINAL

REF.NO. : PM 67/0116-3

REPORT NO. : 050587/2024

ANALYSIS REPORT FOR WASTEWATER

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

ADDRESS : 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190

COORDINATOR : ENVIRONMENT DEPARTMENT

CONTACT INFORMATION : TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE : 12/03/2024REPORT DATE : 23/03/2024

RECEIVED DATE : 12/03/2024SAMPLING BY : Mr.Jirayut Seehabut (ว-100-จ-9557)

ANALYTICAL DATE : 13-22/03/2024ANALYZED BY : Miss Piyanut Phutphong (ว-100-จ-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence (CL2)		
SAMPLING TIME	-	11:30	-	a.m.
SAMPLE CONDITION	Observation	Brown Turbid, Heavy SS.	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	7.4	-	-
2. Temperature	Laboratory and Field Method (2550 B)	32	-	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	311	-	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	377	-	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	2.0	-	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	500	-	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	42.3	-	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	3,100	-	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	-	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	0.004	-	mg/L
11. Lead	Digestion, ICP Method (3120 B)	<0.002	-	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.010	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

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***** 23/03/2024 *****

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Page 1/1

TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-4

REPORT NO. : 050959/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 26/04/2024	REPORT DATE	: 10/05/2024
RECEIVED DATE	: 26/04/2024	SAMPLING BY	: Mr. Anupong Namsrithan (ว-100-จ-6515)
ANALYTICAL DATE	: 27/04-09/05/2024	ANALYZED BY	: Miss Piyanut Phutphong (ว-100-จ-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence (CL2)		
SAMPLING TIME	-	01:44	-	p.m.
SAMPLE CONDITION	Observation	Brown Turbid, Heavy SS.	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	7.3	-	-
2. Temperature	Laboratory and Field Method (2550 B)	32	-	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	627	-	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	450	-	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	2.5	-	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	1,950	-	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	198	-	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	4,950	-	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	-	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	<0.003	-	mg/L
11. Lead	Digestion, ICP Method (3120 B)	<0.002	-	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.002	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

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10/05/2024

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-4

REPORT NO. : 050960/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 26/04/2024	REPORT DATE	: 10/05/2024
RECEIVED DATE	: 26/04/2024	SAMPLING BY	: Mr. Anupong Namsrihan (ว-100-จ-6515)
ANALYTICAL DATE	: 27/04-09/05/2024	ANALYZED BY	: Miss Piyanut Phutphong (ว-100-จ-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence (No.8 Pit)		
SAMPLING TIME	-	01:49	-	p.m.
SAMPLE CONDITION	Observation	Green Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	8.4	5.5-9.0	-
2. Temperature	Laboratory and Field Method (2550 B)	31	40	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	7	20	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	29.4	50	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	<0.06	1.0	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	47	120	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	<LOQ	100	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	587	3,000	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	5	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	<0.003	1.0	mg/L
11. Lead	Digestion, ICP Method (3120 B)	<0.002	0.2	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	<0.001	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

LOQ = Limit of Quantitation (Total Kjeldahl Nitrogen <10.0 mg/L)

Standard : Notification of Ministry of Industry on setting Standards for Controlling Wastewater Drainage from Factories, B.E. 2017

- = Not configured for control.

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-5

REPORT NO. : 051128/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
SAMPLING DATE : 11/05/2024 REPORT DATE : 23/05/2024					
RECEIVED DATE : 11/05/2024 SAMPLING BY : Mr. Santipap Khaonual (ว-100-จ-9555)					
ANALYTICAL DATE : 11-21/05/2024 ANALYZED BY : Miss Piyanut Phutphong (ว-100-จ-7637)					
PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Influence (CL2)			
SAMPLING TIME	-	08:00	-	a.m.	
SAMPLE CONDITION	Observation	Brown Turbid, Heavy SS.	-	-	
1. pH	Electrometric Method (4500-H ⁺ -B)	7.5	-	-	
2. Temperature	Laboratory and Field Method (2550 B)	32	-	°C	
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	559	-	mg/L	
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	457	-	mg/L	
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	1.5	-	mg/L	
6. COD	Closed Reflux, Titrimetric Method (5220 C)	1,400	-	mg/L	
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	306	-	mg/L	
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	3,550	-	mg/L	
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	-	mg/L	
10. Nickel	Digestion, ICP Method (3120 B)	0.014	-	mg/L	
11. Lead	Digestion, ICP Method (3120 B)	<0.002	-	mg/L	
12. Chromium	Digestion, ICP Method (3120 B)	0.006	-	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-5

REPORT NO. : 051129/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 11/05/2024	REPORT DATE	: 23/05/2024
RECEIVED DATE	: 11/05/2024	SAMPLING BY	: Mr. Santipap Khaonual (จ-100-จ-9555)
ANALYTICAL DATE	: 11-21/05/2024	ANALYZED BY	: Miss Piyanut Phutphong (จ-100-จ-7637)

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence (No.8 Pit)		
SAMPLING TIME	-	07:00	-	a.m.
SAMPLE CONDITION	Observation	Brown Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	8.0	5.5-9.0	-
2. Temperature	Laboratory and Field Method (2550 B)	28	40	°C
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	8	20	mg/L
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	35.6	50	mg/L
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	0.16	1.0	mg/L
6. COD	Closed Reflux, Titrimetric Method (5220 C)	85	120	mg/L
7. Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method (4500-NH ₃ -C & 4500-Norg-C)	<LOQ	100	mg/L
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	556	3,000	mg/L
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	5	mg/L
10. Nickel	Digestion, ICP Method (3120 B)	<0.003	1.0	mg/L
11. Lead	Digestion, ICP Method (3120 B)	<0.002	0.2	mg/L
12. Chromium	Digestion, ICP Method (3120 B)	0.001	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

LOQ = Limit of Quantitation (Total Kjeldahl Nitrogen <10.0 mg/L)

Standard : Notification of Ministry of Industry on setting Standards for Controlling Wastewater Drainage from Factories, B.E. 2017

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-6

REPORT NO. : 051548/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED				
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190				
COORDINATOR	:	ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733				
SAMPLING DATE		:	17/06/2024	REPORT DATE	:	28/06/2024
RECEIVED DATE		:	17/06/2024	SAMPLING BY	:	Mr. Anupong Namsrithan (๖-100-๖-6515)
ANALYTICAL DATE		:	18-27/06/2024	ANALYZED BY	:	Miss Piyanut Phutphong (๖-100-๖-7637)
PARAMETER	METHOD OF ANALYSIS	RESULT		STANDARD	UNIT	
		Influence (CL2)				
SAMPLING TIME	-	11:10		-	a.m.	
SAMPLE CONDITION	Observation	Brown Turbid, Heavy SS.		-	-	
1. pH	Electrometric Method (4500-H ⁺ -B)	7.2		-	-	
2. Temperature	Laboratory and Field Method (2550 B)	32		-	°C	
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	519		-	mg/L	
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	407		-	mg/L	
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	1.9		-	mg/L	
6. COD	Closed Reflux, Titrimetric Method (5220 C)	1,390		-	mg/L	
7. Total Kjeldahl Nitrogen**	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric (4500-NH ₃ C.)	195		-	mg/L	
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	3,400		-	mg/L	
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5		-	mg/L	
10. Nickel	Digestion, ICP Method (3120 B)	0.024		-	mg/L	
11. Lead	Digestion, ICP Method (3120 B)	0.025		-	mg/L	
12. Chromium	Digestion, ICP Method (3120 B)	0.014		-	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

** = Results analyzed by

- = Not configured for

28/06/2024

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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

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TESTING
No.0198

ORIGINAL

REF.NO. : PM 67/0116-6

REPORT NO. : 051549/2024

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
SAMPLING DATE	:	17/06/2024	REPORT DATE	:	28/06/2024
RECEIVED DATE	:	17/06/2024	SAMPLING BY	:	Mr. Anupong Namsrithan (ว-100-จ-6515)
ANALYTICAL DATE	:	18-27/06/2024	ANALYZED BY	:	Miss Piyanut Phutphong (ว-100-จ-7637)
PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Effluence (No.8 Pit)			
SAMPLING TIME	-	11:00	-	a.m.	
SAMPLE CONDITION	Observation	Green Turbid, Slightly SS	-	-	
1. pH	Electrometric Method (4500-H ⁺ -B)	8.2	5.5-9.0	-	
2. Temperature	Laboratory and Field Method (2550 B)	31	40	°C	
3. BOD ₅	5-Day BOD test (5210 B), Membrane Electrode Method (4500-O-G)	7	20	mg/L	
4. Total Suspended Solids	Dried at 103-105 °C (2540 D)	31.8	50	mg/L	
5. Hydrogen Sulfide	ZnS Precipitation, Iodometric Method (4500-S ²⁻ -F)	<0.06	1.0	mg/L	
6. COD	Closed Reflux, Titrimetric Method (5220 C)	79	120	mg/L	
7. Total Kjeldahl Nitrogen**	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric (4500-NH ₃ C.)	20	100	mg/L	
8. Total Dissolved Solids*	Dried at 180 °C (2540 C)	640	3,000	mg/L	
9. Oil & Grease	Liquid-Liquid, Partition-Gravimetric Method (5520 B)	<5	5	mg/L	
10. Nickel	Digestion, ICP Method (3120 B)	0.015	1.0	mg/L	
11. Lead	Digestion, ICP Method (3120 B)	0.024	0.2	mg/L	
12. Chromium	Digestion, ICP Method (3120 B)	<0.001	-	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

** = Results analyzed by S.P.S. Consulting Service Co.,Ltd.

Standard : Notification of Ministry of Natural Resources and Environmental Conservation, Factories, B.E. 2017

- = Not configured for content

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REF.NO. : PM 67/0499

REPORT NO. : 051134/2024

ANALYSIS REPORT FOR GROUND WATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
SAMPLING DATE	:	10/05/2024	REPORT DATE	:	23/05/2024
RECEIVED DATE	:	10/05/2024	SAMPLING BY	:	Mr.Jirayut Seehabut
ANALYTICAL DATE	:	11-21/05/2024	ANALYZED BY	:	Miss Nitsara Phananikit
PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Anubannongyai School (47P 0757667E, 1455889N)			
SAMPLING TIME	-	11:00	-	a.m.	
SAMPLE CONDITION	Observation	Clear	-	-	
1. pH	Electrometric Method (4500-H ⁺ -B)	6.2	-	-	
2. Total Solids	Dried at 103-105 °C (2540 B)	481	-	mg/L	
3. Chloride	Argentometric Method (4500-Cl ⁻ -B)	57	-	mg/L	
4. Hardness	EDTA Titrimetric Method (2340 C)	160	-	mg/L as CaCO ₃	
5. Iron	Digestion, Inductively Couple Plasma Method (3120 B)	0.012	-	mg/L	
6. Nickel	Digestion, Inductively Couple Plasma Method (3120 B)	<0.003	≥0.02	mg/L	
7. Chromium	Digestion, Inductively Couple Plasma Method (3120 B)	<0.001	-	mg/L	
8. Lead	Digestion, Inductively Couple Plasma Method (3120 B)	<0.002	≥0.01	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of the National Environmental Board, No.20,B.E.2543

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REF.NO. : PM 67/0499

REPORT NO. : 051135/2024

ANALYSIS REPORT FOR GROUND WATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
SAMPLING DATE	:	10/05/2024	REPORT DATE	:	23/05/2024
RECEIVED DATE	:	10/05/2024	SAMPLING BY	:	Mr.Jirayut Seehabut
ANALYTICAL DATE	:	11-21/05/2024	ANALYZED BY	:	Miss Nitsara Phananikit
PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Ban Nong Suea Chang (47P 0753496E, 1453357N)			
SAMPLING TIME	-	11:38	-	a.m.	
SAMPLE CONDITION	Observation	Clear, Slightly SS	-	-	
1. pH	Electrometric Method (4500-H ⁺ -B)	7.1	-	-	
2. Total Solids	Dried at 103-105 °C (2540 B)	421	-	mg/L	
3. Chloride	Argentometric Method (4500-Cl ⁻ -B)	73	-	mg/L	
4. Hardness	EDTA Titrimetric Method (2340 C)	232	-	mg/L as CaCO ₃	
5. Iron	Digestion, Inductively Couple Plasma Method (3120 B)	0.016	-	mg/L	
6. Nickel	Digestion, Inductively Couple Plasma Method (3120 B)	<0.003	≥0.02	mg/L	
7. Chromium	Digestion, Inductively Couple Plasma Method (3120 B)	<0.001	-	mg/L	
8. Lead	Digestion, Inductively Couple Plasma Method (3120 B)	<0.002	≥0.01	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of the National Environmental Board, No.20,B.E.2543

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REF.NO. : PM 67/0499

REPORT NO. : 051136/2024

ANALYSIS REPORT FOR GROUND WATER

CLIENT NAME	:	P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED			
ADDRESS	:	999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190			
COORDINATOR	:	ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733			
SAMPLING DATE	:	10/05/2024	REPORT DATE	:	23/05/2024
RECEIVED DATE	:	10/05/2024	SAMPLING BY	:	Mr.Jirayut Seehabut
ANALYTICAL DATE	:	11-21/05/2024	ANALYZED BY	:	Miss Nitsara Phananikit
PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Ban Nong Takhian (47P 0758753E, 145344N)			
SAMPLING TIME	-	10:10	-	a.m.	
SAMPLE CONDITION	Observation	Clear	-	-	
1. pH	Electrometric Method (4500-H ⁺ -B)	6.5	-	-	
2. Total Solids	Dried at 103-105 °C (2540 B)	456	-	mg/L	
3. Chloride	Argentometric Method (4500-Cl ⁻ -B)	70	-	mg/L	
4. Hardness	EDTA Titrimetric Method (2340 C)	232	-	mg/L as CaCO ₃	
5. Iron	Digestion, Inductively Couple Plasma Method (3120 B)	<0.001	-	mg/L	
6. Nickel	Digestion, Inductively Couple Plasma Method (3120 B)	0.009	≥0.02	mg/L	
7. Chromium	Digestion, Inductively Couple Plasma Method (3120 B)	<0.001	-	mg/L	
8. Lead	Digestion, Inductively Couple Plasma Method (3120 B)	<0.002	≥0.01	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of the National Environmental Board, No.20,B.E.2543

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REF.NO. : PM 67/0499

REPORT NO. : 051137/2024

ANALYSIS REPORT FOR GROUND WATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 10/05/2024	REPORT DATE	: 23/05/2024
RECEIVED DATE	: 10/05/2024	SAMPLING BY	: Mr.Jirayut Seehabut
ANALYTICAL DATE	: 11-21/05/2024	ANALYZED BY	: Miss Nitsara Phananikit

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Ban Nong Yai (47P 0757911E, 1455465N)		
SAMPLING TIME	-	10:55	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. pH	Electrometric Method (4500-H ⁺ -B)	6.5	-	-
2. Total Solids	Dried at 103-105 °C (2540 B)	475	-	mg/L
3. Chloride	Argentometric Method (4500-Cl ⁻ -B)	73	-	mg/L
4. Hardness	EDTA Titrimetric Method (2340 C)	75	-	mg/L as CaCO ₃
5. Iron	Digestion, Inductively Couple Plasma Method (3120 B)	<0.001	-	mg/L
6. Nickel	Digestion, Inductively Couple Plasma Method (3120 B)	<0.003	≥0.02	mg/L
7. Chromium	Digestion, Inductively Couple Plasma Method (3120 B)	<0.001	-	mg/L
8. Lead	Digestion, Inductively Couple Plasma Method (3120 B)	<0.002	≥0.01	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of the National Environmental Board, No.20,B.E.2543

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REF.NO. : PM 67/0499

REPORT NO. : 051130/2024

ANALYSIS REPORT FOR SURFACE WATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 10/05/2024	REPORT DATE	: 23/05/2024
RECEIVED DATE	: 10/05/2024	SAMPLING BY	: Mr.Jirayut Seehabut
ANALYTICAL DATE	: 11-21/05/2024	ANALYZED BY	: Miss Nitsara Phananikit

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Map Yang brook behind Sop Saman brook (47P 0757683E, 1457858N)		
SAMPLING TIME	-	10:42	-	a.m.
SAMPLE CONDITION	Observation	Brown Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H+-B)	6.3	5.0-9.0	-
2. Total Suspended Solids	Dried at 103-105 °C (2540 D)	47.9	-	mg/L
3. DO	Azide Modification Method (4500-O-C)	4.4	≥4.0	mg/L
4. BOD ₅	5-Day BOD test(5210 B), Azide Modification Method (4500-O-C)	4	≥2.0	mg/L
5. Nickel	Digestion, ICP Method (3120 B)	<0.003	≥0.1	mg/L
6. Chromium	Digestion, ICP Method (3120 B)	0.003	-	mg/L
7. Lead	Digestion, ICP Method (3120 B)	<0.002	≥0.05	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of National Environmental Commission on setting Standards for Issue No. 8 B.E. 2537, Setting standards for surface water quality (Type 3)

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REF.NO. : PM 67/0499

REPORT NO. : 051131/2024

ANALYSIS REPORT FOR SURFACE WATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 10/05/2024	REPORT DATE	: 23/05/2024
RECEIVED DATE	: 10/05/2024	SAMPLING BY	: Mr.Jirayut Seehabut
ANALYTICAL DATE	: 11-21/05/2024	ANALYZED BY	: Miss Nitsara Phananikit

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Public canal before entering the project (47P 0759513E, 1453252N)		
SAMPLING TIME	-	09:23	-	a.m.
SAMPLE CONDITION	Observation	Brown Turbid, Moderate SS	-	-
1. pH	Electrometric Method (4500-H+-B)	7.0	5.0-9.0	-
2. Total Suspended Solids	Dried at 103-105 °C (2540 D)	93.2	-	mg/L
3. DO	Azide Modification Method (4500-O-C)	5.5	≥4.0	mg/L
4. BOD ₅	5-Day BOD test(5210 B), Azide Modification Method (4500-O-C)	9	≥2.0	mg/L
5. Nickel	Digestion, ICP Method (3120 B)	<0.003	≥0.1	mg/L
6. Chromium	Digestion, ICP Method (3120 B)	0.002	-	mg/L
7. Lead	Digestion, ICP Method (3120 B)	<0.002	≥0.05	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of National Environmental Commission on setting Standards for Issue No. 8 B.E. 2537, Setting standards for surface water quality (Type 3)

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REF.NO. : PM 67/0499

REPORT NO. : 051132/2024

ANALYSIS REPORT FOR SURFACE WATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 10/05/2024	REPORT DATE	: 23/05/2024
RECEIVED DATE	: 10/05/2024	SAMPLING BY	: Mr.Jirayut Seehabut
ANALYTICAL DATE	: 11-21/05/2024	ANALYZED BY	: Miss Nitsara Phananihit

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Under the Nong Yai Weir (47P 0758782E, 1454609N)		
SAMPLING TIME	-	10:10	-	a.m.
SAMPLE CONDITION	Observation	Brown Turbid, Moderate SS	-	-
1. pH	Electrometric Method (4500-H+-B)	7.4	5.0-9.0	-
2. Total Suspended Solids	Dried at 103-105 °C (2540 D)	65.1	-	mg/L
3. DO	Azide Modification Method (4500-O-C)	<0.5	≥4.0	mg/L
4. BOD ₅	5-Day BOD test(5210 B), Azide Modification Method (4500-O-C)	12	≥2.0	mg/L
5. Nickel	Digestion, ICP Method (3120 B)	<0.003	≥0.1	mg/L
6. Chromium	Digestion, ICP Method (3120 B)	<0.001	-	mg/L
7. Lead	Digestion, ICP Method (3120 B)	<0.002	≥0.05	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of National Environmental Commission on setting Standards for Issue No. 8 B.E. 2537, Setting standards for surface water quality (Type 3)

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REF.NO. : PM 67/0499

REPORT NO. : 051133/2024

ANALYSIS REPORT FOR SURFACE WATER

CLIENT NAME	: P.S.C. STARCH PRODUCTS PUBLIC COMPANY LIMITED
ADDRESS	: 999 Moo 5, Tambon Nong Yai, Amphoe Nong Yai, Changwat Chonburi 20190
COORDINATOR	: ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. 038 219730-4 FACIMILE NO. 038 219733

SAMPLING DATE	: 10/05/2024	REPORT DATE	: 23/05/2024
RECEIVED DATE	: 10/05/2024	SAMPLING BY	: Mr.Jirayut Seehabut
ANALYTICAL DATE	: 11-21/05/2024	ANALYZED BY	: Miss Nitsara Phananihit

PARAMETER	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Project reservoir (47P 0757304E, 1453742N)		
SAMPLING TIME	-	09:54	-	a.m.
SAMPLE CONDITION	Observation	Brown Turbid, Slightly SS	-	-
1. pH	Electrometric Method (4500-H+-B)	6.9	5.0-9.0	-
2. Total Suspended Solids	Dried at 103-105 °C (2540 D)	43.8	-	mg/L
3. DO	Azide Modification Method (4500-O-C)	6.7	≥4.0	mg/L
4. BOD ₅	5-Day BOD test(5210 B), Azide Modification Method (4500-O-C)+	12	≥2.0	mg/L
5. Nickel	Digestion, ICP Method (3120 B)	<0.003	≥0.1	mg/L
6. Chromium	Digestion, ICP Method (3120 B)	<0.001	-	mg/L
7. Lead	Digestion, ICP Method (3120 B)	<0.002	≥0.05	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of National Environmental Commission on setting Standards for Issue No. 8 B.E. 2537, Setting standards for surface water quality (Type 3)

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