

## ภาคผนวก

- ภาคผนวกที่ 1 ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม
- ภาคผนวกที่ 2 หนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน และใบอนุญาตเป็นผู้ให้บริการตรวจวัดและวิเคราะห์ระดับความเข้มข้นของสารเคมีอันตรายในบรรยากาศของสถานที่ทำงานและสถานที่เก็บรักษาสารเคมีอันตราย ระดับความร้อน แสงสว่าง และเสียงจากกรรมสวัสดิการและคุ้มครองแรงงาน
- ภาคผนวกที่ 3 ใบรับรองความสามารถห้องปฏิบัติการวิเคราะห์
- ภาคผนวกที่ 4 สรุปเอกสารสอบเทียบอุปกรณ์เครื่องมือ
- ภาคผนวกที่ 5 เอกสาร Detection Limit ของรายการทดสอบต่างๆ
- ภาคผนวกที่ 6 ผลการพิจารณารายงานการประเมินผลกระทบสิ่งแวดล้อม โครงการนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง) บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)
- ภาคผนวกที่ 7 ภาพแสดงการวิเคราะห์คุณภาพน้ำทิ้งโรงงานที่มีค่าไม่เกินไปตามมาตรฐาน
- ภาคผนวกที่ 8 แบบสำรวจข้อมูลพื้นฐานด้านสิ่งแวดล้อม
- ภาคผนวกที่ 9 รายชื่อโรงงานภายในนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง)
- ภาคผนวกที่ 10 แผนมวลชนสัมพันธ์ ประจำปี 2567
- ภาคผนวกที่ 11 ข้อกำหนดและข้อปฏิบัติของผู้ประกอบการในนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง)
- ภาคผนวกที่ 12 อัตราการระบายมลพิษทางอากาศ
- ภาคผนวกที่ 13 ผลการตรวจวัดปริมาณสารเคมี (VOCs) และสภาพแวดล้อมในการทำงานของโรงงานต่างๆ ภายในโครงการ
- ภาคผนวกที่ 14 ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้งจากโรงงานภายในนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง) ประจำเดือนมกราคม-มิถุนายน 2567
- ภาคผนวกที่ 15 ข้อมูลการนำน้ำที่ผ่านการบำบัดกลับมาใช้ประโยชน์ ประจำเดือนมกราคม-มิถุนายน 2567
- ภาคผนวกที่ 16 เอกสารพิจารณาการติดตั้งเวียร์ (Weir)
- ภาคผนวกที่ 17 การคำนวณค่าปรับในการบำบัดน้ำเสีย “นิคมอุตสาหกรรมปิ่นทอง โครงการ 2”
- ภาคผนวกที่ 18 Preventive Maintenance ของโครงการนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง) ประจำปี 2567
- ภาคผนวกที่ 19 แผนงานและเอกสารชุดลากลำรางสาธารณะ ประจำปี 2567
- ภาคผนวกที่ 20 บันทึกปริมาณขยะมูลฝอยของโรงงาน
- ภาคผนวกที่ 21 โครงสร้างคณะทำงานเพื่อบริหาร และจัดการกากของเสีย
- ภาคผนวกที่ 22 ตัวอย่างเอกสารการจัดการกากของเสียอันตราย (Manifest Form)

## ภาคผนวก (ต่อ)

- ภาคผนวกที่ 23 ภาพถ่ายการช่วยเหลือชุมชนที่ตั้งอยู่ใกล้เคียงโดยรอบโครงการ ประจำเดือนมกราคม-มิถุนายน 2567 และสรุปผลการสำรวจความคิดเห็นของชุมชน ประจำปี 2566
- ภาคผนวกที่ 24 ตัวอย่างมาตรการด้านความปลอดภัย และแผนฉุกเฉินของโรงงานต่างๆ ภายในโครงการ
- ภาคผนวกที่ 25 แผนการจัดสัปดาห์แห่งความปลอดภัย ประจำปี 2567
- ภาคผนวกที่ 26 แผนการฝึกซ้อมดับเพลิงร่วมกับโรงงานต่างๆ ประจำปี 2567 และการฝึกซ้อมดับเพลิงร่วมกับโรงงานต่างๆ โดยเทศบาลนครเจ้าพระยาสุรศักดิ์ ประจำปี 2566
- ภาคผนวกที่ 27 ตัวอย่างการฝึกซ้อมแผนฉุกเฉินของโรงงานในนิคมอุตสาหกรรม
- ภาคผนวกที่ 28 มาตรการด้านความปลอดภัย และแผนฉุกเฉินกรณีเกิดอุบัติเหตุหรือเพลิงไหม้
- ภาคผนวกที่ 29 ตัวอย่างเอกสารการตรวจสอบสภาพของอุปกรณ์/เครื่องจักร และระบบไฟฟ้าของโรงงานอุตสาหกรรม
- ภาคผนวกที่ 30 แผนฉุกเฉินกรณีเกิดการรั่วไหลหรือไฟไหม้ของโรงงานที่เก็บกักก๊าซ LPG
- ภาคผนวกที่ 31 ผังแม่บทโครงการ
- ภาคผนวกที่ 32 สถิติอุบัติเหตุจากทางหลวงหมายเลข 7 ประจำปี 2566
- ภาคผนวกที่ 33 ปริมาณการใช้น้ำประปาของโรงงาน ประจำเดือนมกราคม-มิถุนายน 2567
- ภาคผนวกที่ 34 สถิติปริมาณการใช้ไฟฟ้าของโรงงานอุตสาหกรรม ประจำปี 2566
- ภาคผนวกที่ 35 ข้อมูลทางด้านสาธารณสุข ประจำปี 2566
- ภาคผนวกที่ 36 บันทึกสถิติอุบัติเหตุของโรงงานต่างๆ ภายในโครงการ
- ภาคผนวกที่ 37 ผลการตรวจสอบสภาพพนักงานของโรงงานต่างๆ ภายในโครงการ
- ภาคผนวกที่ 38 รายงานสรุปผลการตรวจสอบผลกระทบสิ่งแวดล้อม (Environmental compliance audit) ประจำปี 2566
- ภาคผนวกที่ 39 การประชุมเจ้าหน้าที่ด้านความปลอดภัยของโรงงานอุตสาหกรรมต่างๆ ในนิคมอุตสาหกรรมฯ ประจำปี 2566
- ภาคผนวกที่ 40 สรุปการดำเนินการพื้นที่สีเขียวแนวกันชน
- ภาคผนวกที่ 41 การฝึกซ้อมดับเพลิงของโครงการ โดยเทศบาลนครเจ้าพระยาสุรศักดิ์ ประจำปี 2566
- ภาคผนวกที่ 42 ตำแหน่งที่ตั้งการจัดเตรียมการติดตั้งระบบบำบัดน้ำเสียส่วนกลางทางเคมี
- ภาคผนวกที่ 43 E-mail แจ้งรายละเอียดและแนะนำป้องกันคุณภาพน้ำทิ้งโรงงาน ที่มีค่าไม่เป็นไปตามเกณฑ์มาตรฐาน

ภาคผนวกที่ 1

ผลการติดตามตรวจสอบผลกระทบ สิ่งแวดล้อม

Request No. ATR6705012

Report No. 6705-0286 - 6705-0292

## TEST REPORT

CUSTOMER : Pinthong Industrial Park Public Company Limited  
ADDRESS : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230  
SAMPLE SOURCE : Pinthong Industrial Park (Project 2)  
SAMPLE NAME : วัดเขาชีธรรมนิมิต  
RECEIVED DATE : 07/05/2024 SAMPLE NO. : A67050286 - A67050292  
TESTED DATE : 07/05/2024-15/05/2024 REPORTED DATE : 16/05/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	22-23/04/2024	0.036	0.33	mg/m <sup>3</sup>
		23-24/04/2024	0.039	0.33	mg/m <sup>3</sup>
		24-25/04/2024	0.038	0.33	mg/m <sup>3</sup>
		25-26/04/2024	0.035	0.33	mg/m <sup>3</sup>
		26-27/04/2024	0.035	0.33	mg/m <sup>3</sup>
		27-28/04/2024	0.027	0.33	mg/m <sup>3</sup>
		28-29/04/2024	0.026	0.33	mg/m <sup>3</sup>

## REMARK:

<sup>1/</sup> Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By .....

(Miss Thanatporn Klinsoon)

16/05/2024

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Request No. ATR6705012

Report No. 6705-0293 - 6705-0299

## TEST REPORT

CUSTOMER : Pinthong Industrial Park Public Company Limited  
ADDRESS : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230  
SAMPLE SOURCE : Pinthong Industrial Park (Project 2)  
SAMPLE NAME : พื้นที่โครงการบริเวณอาคารสำนักงาน  
RECEIVED DATE : 07/05/2024 SAMPLE NO. : A67050293 - A67050299  
TESTED DATE : 07/05/2024-15/05/2024 REPORTED DATE : 16/05/2024

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	22-23/04/2024	0.081	0.33	mg/m <sup>3</sup>
		23-24/04/2024	0.091	0.33	mg/m <sup>3</sup>
		24-25/04/2024	0.083	0.33	mg/m <sup>3</sup>
		25-26/04/2024	0.099	0.33	mg/m <sup>3</sup>
		26-27/04/2024	0.078	0.33	mg/m <sup>3</sup>
		27-28/04/2024	0.049	0.33	mg/m <sup>3</sup>
		28-29/04/2024	0.040	0.33	mg/m <sup>3</sup>

## REMARK:

<sup>1/</sup> Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsopon)

16/05/2024

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Request No. LA67-R0546

Report No. R6705-0589 - R6705-0595

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : ปันทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
SAMPLE POINT : วัดเขาชีชมรมนิมิต (A1)  
PARAMETER\* : Nitrogen Dioxide  
DETERMINATION METHOD : Chemiluminescence  
INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 11378-11384  
SAMPLING DATE : 22-29/04/2024  
RECEIVED DATE : 29/04/2024  
REPORTED DATE : 08/05/2024

TIME / DATE	22-23/04/2024	23-24/04/2024	24-25/04/2024	25-26/04/2024	26-27/04/2024	27-28/04/2024	28-29/04/2024	UNIT
09:00 - 10:00 <sup>2</sup>	0.003	0.001	0.004	0.009	0.004	0.003	0.001	ppm
10:00 - 11:00	0.003	0.001	0.002	0.009	0.002	0.003	0.001	ppm
11:00 - 12:00	0.002	0.001	0.002	0.009	0.002	0.003	0.001	ppm
12:00 - 13:00	0.002	0.001	0.001	0.007	0.001	0.003	0.001	ppm
13:00 - 14:00	0.002	0.001	0.004	0.006	0.001	0.003	<0.001	ppm
14:00 - 15:00	0.002	0.001	0.004	0.004	0.002	0.002	0.001	ppm
15:00 - 16:00	0.003	<0.001	0.009	0.004	0.002	0.002	0.001	ppm
16:00 - 17:00	0.002	0.001	0.005	0.007	0.001	0.003	0.001	ppm
17:00 - 18:00	0.001	0.003	0.003	0.007	0.002	0.002	0.001	ppm
18:00 - 19:00	0.001	0.008	0.002	0.004	0.004	0.002	0.001	ppm
19:00 - 20:00	0.002	0.012	0.003	0.003	0.015	0.003	0.002	ppm
20:00 - 21:00	0.009	0.008	0.004	0.003	0.009	0.004	0.007	ppm
21:00 - 22:00	0.013	0.006	0.003	0.003	0.006	0.003	0.011	ppm
22:00 - 23:00	0.010	0.006	0.003	0.003	0.006	0.003	0.011	ppm
23:00 - 00:00	0.004	0.007	0.003	0.004	0.009	0.003	0.010	ppm
00:00 - 01:00	0.002	0.011	0.002	0.003	0.009	0.002	0.006	ppm
01:00 - 02:00	0.002	0.014	0.002	0.002	0.009	0.001	0.002	ppm
02:00 - 03:00	0.002	0.005	0.002	0.002	0.005	0.001	0.002	ppm
03:00 - 04:00	0.001	0.005	0.002	0.001	0.003	0.001	0.001	ppm
04:00 - 05:00	<0.001	0.002	0.002	0.002	0.002	0.001	0.001	ppm
05:00 - 06:00	0.001	0.004	0.010	0.002	0.003	0.001	0.001	ppm
06:00 - 07:00	0.001	0.012	0.008	0.003	0.011	0.001	0.001	ppm
07:00 - 08:00	0.001	0.012	0.011	0.002	0.013	0.001	0.002	ppm
08:00 - 09:00	0.001	0.011	0.014	0.003	0.005	0.001	0.002	ppm
Maximum 1 hr.	0.013	0.014	0.014	0.009	0.015	0.004	0.011	ppm
Average 24 hr.	0.003	0.005	0.004	0.004	0.005	0.002	0.003	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	0.17	0.17	0.17	0.17	0.17	ppm

REMARK : <sup>1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>2</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

08/05/2024

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Request No. LA67-R0546

Report No. R6705-0575 - R6705-0581

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
ADDRESS : 789 ม. 1 ต. สายหนองค้อ-แหลมฉิม ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : ปันทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
SAMPLE POINT : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)  
PARAMETER\* : Nitrogen Dioxide  
DETERMINATION METHOD : Chemiluminescence  
INSTRUMENT : API Model T200 S/N 6758

SAMPLE NO. : 11364-11370  
SAMPLING DATE : 22-29/04/2024  
RECEIVED DATE : 29/04/2024  
REPORTED DATE : 08/05/2024

TIME / DATE	22-23/04/2024	23-24/04/2024	24-25/04/2024	25-26/04/2024	26-27/04/2024	27-28/04/2024	28-29/04/2024	UNIT
09:00 - 10:00 <sup>2</sup>	0.010	0.008	0.010	0.018	0.010	0.010	0.006	ppm
10:00 - 11:00	0.010	0.008	0.008	0.016	0.009	0.008	0.005	ppm
11:00 - 12:00	0.008	0.010	0.010	0.017	0.009	0.010	0.004	ppm
12:00 - 13:00	0.008	0.009	0.011	0.014	0.007	0.008	0.004	ppm
13:00 - 14:00	0.008	0.008	0.011	0.008	0.006	0.008	0.004	ppm
14:00 - 15:00	0.008	0.009	0.013	0.007	0.007	0.006	0.004	ppm
15:00 - 16:00	0.009	0.010	0.010	0.009	0.009	0.006	0.004	ppm
16:00 - 17:00	0.008	0.010	0.010	0.016	0.009	0.005	0.004	ppm
17:00 - 18:00	0.011	0.015	0.007	0.016	0.013	0.007	0.004	ppm
18:00 - 19:00	0.017	0.020	0.008	0.006	0.024	0.009	0.005	ppm
19:00 - 20:00	0.009	0.023	0.008	0.007	0.024	0.007	0.006	ppm
20:00 - 21:00	0.018	0.016	0.010	0.011	0.017	0.009	0.009	ppm
21:00 - 22:00	0.020	0.013	0.012	0.011	0.014	0.007	0.013	ppm
22:00 - 23:00	0.014	0.013	0.007	0.010	0.013	0.007	0.014	ppm
23:00 - 00:00	0.011	0.014	0.007	0.012	0.013	0.006	0.010	ppm
00:00 - 01:00	0.009	0.018	0.006	0.011	0.013	0.004	0.006	ppm
01:00 - 02:00	0.006	0.018	0.006	0.009	0.013	0.004	0.004	ppm
02:00 - 03:00	0.008	0.011	0.009	0.007	0.010	0.004	0.005	ppm
03:00 - 04:00	0.007	0.009	0.008	0.009	0.009	0.007	0.004	ppm
04:00 - 05:00	0.006	0.008	0.009	0.008	0.012	0.005	0.005	ppm
05:00 - 06:00	0.011	0.013	0.019	0.010	0.009	0.006	0.006	ppm
06:00 - 07:00	0.012	0.022	0.020	0.011	0.011	0.006	0.008	ppm
07:00 - 08:00	0.012	0.024	0.019	0.014	0.019	0.007	0.012	ppm
08:00 - 09:00	0.012	0.018	0.019	0.016	0.013	0.007	0.010	ppm
Maximum 1 hr.	0.020	0.024	0.020	0.018	0.024	0.010	0.014	ppm
Average 24 hr.	0.011	0.014	0.011	0.011	0.012	0.007	0.006	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	0.17	0.17	0.17	0.17	0.17	ppm

REMARK : <sup>1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>2</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By: 

(MS. THANATPORN KLINSOPON)

08/05/2024

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Request No. LA67-R0546

Report No. R6705-0582 - R6705-0588

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
ADDRESS : 789 ม. 1 ต. สายหนองก้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
SAMPLE POINT : วัดเขาชีรรมณีนิต (A1)  
PARAMETER\* : Sulfur Dioxide  
DETERMINATION METHOD : UV-Fluorescence  
INSTRUMENT : API Model MI00E S/N 3139

SAMPLE NO. : 11371-11377  
SAMPLING DATE : 22-29/04/2024  
RECEIVED DATE : 29/04/2024  
REPORTED DATE : 08/05/2024

TIME / DATE	22-23/04/2024	23-24/04/2024	24-25/04/2024	25-26/04/2024	26-27/04/2024	27-28/04/2024	28-29/04/2024	UNIT
09:00 - 10:00 <sup>3</sup>	0.033	0.029	0.029	0.029	0.028	0.028	0.028	ppm
10:00 - 11:00	0.032	0.029	0.029	0.029	0.028	0.028	0.028	ppm
11:00 - 12:00	0.031	0.029	0.029	0.029	0.028	0.028	0.027	ppm
12:00 - 13:00	0.031	0.029	0.028	0.029	0.028	0.028	0.027	ppm
13:00 - 14:00	0.030	0.029	0.028	0.028	0.028	0.028	0.027	ppm
14:00 - 15:00	0.030	0.029	0.028	0.028	0.028	0.028	0.027	ppm
15:00 - 16:00	0.030	0.029	0.028	0.028	0.028	0.027	0.027	ppm
16:00 - 17:00	0.030	0.029	0.028	0.028	0.027	0.027	0.027	ppm
17:00 - 18:00	0.030	0.029	0.028	0.028	0.028	0.028	0.027	ppm
18:00 - 19:00	0.030	0.029	0.028	0.028	0.028	0.028	0.027	ppm
19:00 - 20:00	0.030	0.029	0.029	0.028	0.029	0.028	0.028	ppm
20:00 - 21:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
21:00 - 22:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
22:00 - 23:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
23:00 - 00:00	0.030	0.030	0.029	0.029	0.028	0.028	0.028	ppm
00:00 - 01:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
01:00 - 02:00	0.030	0.030	0.029	0.029	0.029	0.028	0.028	ppm
02:00 - 03:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
03:00 - 04:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
04:00 - 05:00	0.030	0.029	0.029	0.029	0.028	0.028	0.028	ppm
05:00 - 06:00	0.030	0.029	0.029	0.029	0.029	0.028	0.028	ppm
06:00 - 07:00	0.030	0.030	0.029	0.029	0.029	0.028	0.028	ppm
07:00 - 08:00	0.030	0.030	0.029	0.029	0.029	0.028	0.028	ppm
08:00 - 09:00	0.030	0.029	0.029	0.029	0.028	0.028	0.028	ppm
Maximum 1 hr.	0.033	0.030	0.029	0.029	0.029	0.028	0.028	ppm
Average 24 hr.	0.030	0.029	0.029	0.029	0.028	0.028	0.028	ppm
Standard (1 hr.) <sup>1</sup>	0.30	0.30	0.30	0.30	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>2</sup>	0.12	0.12	0.12	0.12	0.12	0.12	0.12	ppm

REMARK : <sup>1</sup> Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E. 2544 (2001)<sup>2</sup> Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)<sup>3</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Environment

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

08/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Request No. LA67-R0546

Report No. R6705-0568 - R6705-0574

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)

ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230

SAMPLE SOURCE : ปันทอง อินดัสเตรียล ปาร์ค (โครงการ 2)

SAMPLE POINT : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)

PARAMETER\* : Sulfur Dioxide

DETERMINATION METHOD : UV-Fluorescence

INSTRUMENT : API Model TI00 S/N 6458

SAMPLE NO. : I1357-I1363

SAMPLING DATE : 22-29/04/2024

RECEIVED DATE : 29/04/2024

REPORTED DATE : 08/05/2024

TIME / DATE	22-23/04/2024	23-24/04/2024	24-25/04/2024	25-26/04/2024	26-27/04/2024	27-28/04/2024	28-29/04/2024	UNIT
09:00 - 10:00 <sup>3</sup>	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
10:00 - 11:00	0.007	0.006	0.006	0.007	0.006	0.006	0.006	ppm
11:00 - 12:00	0.006	0.006	0.006	0.007	0.006	0.006	0.006	ppm
12:00 - 13:00	0.006	0.006	0.006	0.006	0.006	0.005	0.005	ppm
13:00 - 14:00	0.006	0.006	0.006	0.006	0.006	0.005	0.006	ppm
14:00 - 15:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
15:00 - 16:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
16:00 - 17:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
17:00 - 18:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
18:00 - 19:00	0.007	0.006	0.006	0.006	0.006	0.006	0.006	ppm
19:00 - 20:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
20:00 - 21:00	0.006	0.006	0.006	0.005	0.005	0.005	0.005	ppm
21:00 - 22:00	0.006	0.006	0.005	0.006	0.006	0.005	0.005	ppm
22:00 - 23:00	0.006	0.006	0.005	0.006	0.006	0.006	0.006	ppm
23:00 - 00:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
00:00 - 01:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
01:00 - 02:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
02:00 - 03:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
03:00 - 04:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
04:00 - 05:00	0.006	0.005	0.005	0.005	0.005	0.006	0.005	ppm
05:00 - 06:00	0.006	0.006	0.006	0.006	0.006	0.005	0.006	ppm
06:00 - 07:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
07:00 - 08:00	0.006	0.007	0.006	0.006	0.006	0.006	0.006	ppm
08:00 - 09:00	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
Maximum 1 hr.	0.007	0.007	0.006	0.007	0.006	0.006	0.006	ppm
Average 24 hr.	0.006	0.006	0.006	0.006	0.006	0.006	0.006	ppm
Standard (1 hr.) <sup>1</sup>	0.30	0.30	0.30	0.30	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>2</sup>	0.12	0.12	0.12	0.12	0.12	0.12	0.12	ppm

REMARK : <sup>1</sup> Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E. 2544 (2001)<sup>2</sup> Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)<sup>3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Environment  
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By

(MS. THANATPORN KLINSOPON)

08/05/2024

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## แผนผังทิศทางและความเร็วลม

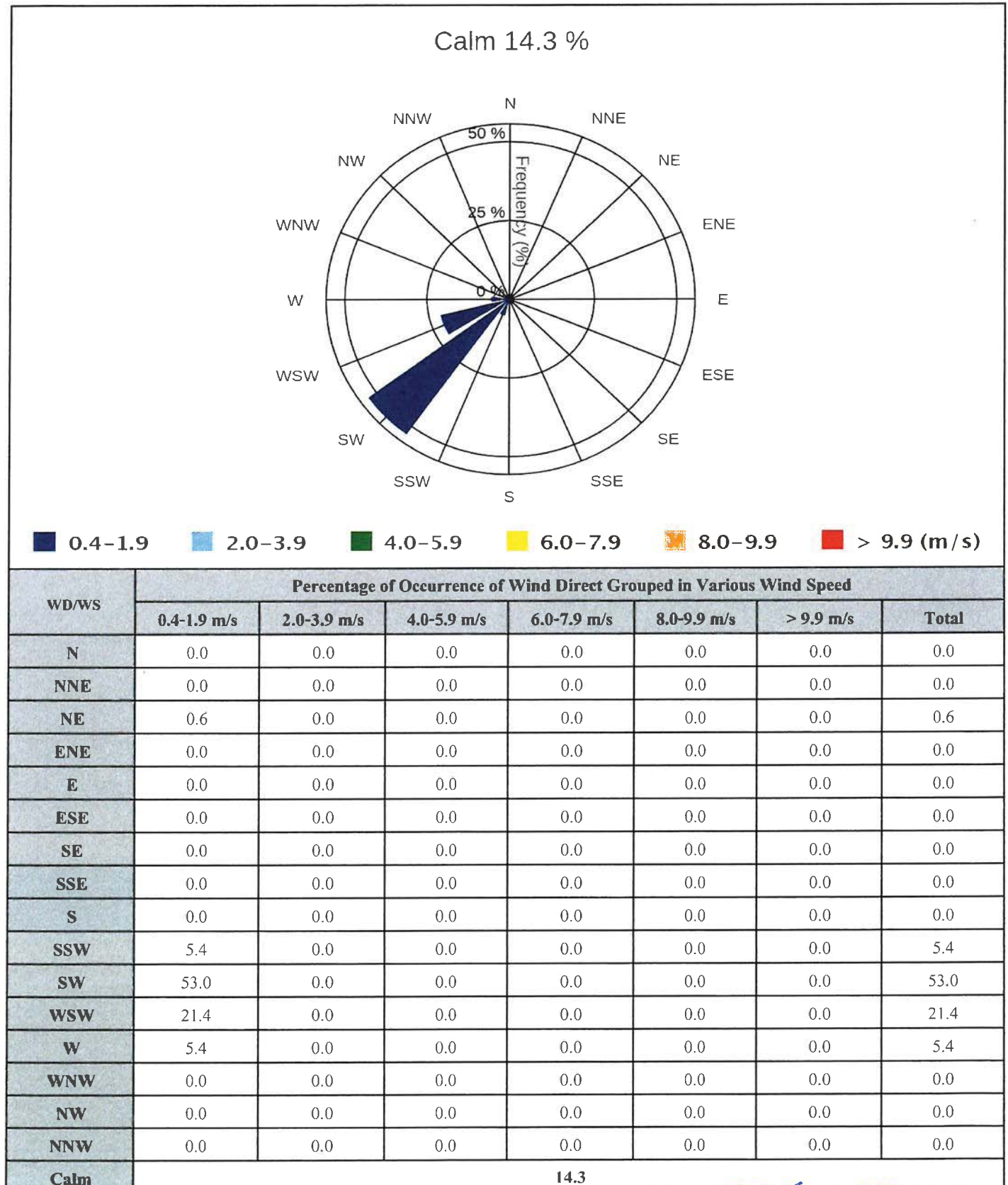
Request No. LA67-R0546

บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน) (โครงการ 2)

Sample No. 11392

จุดตรวจวัด : วัดเขาชีธรรมนิมิต (A1)

วันที่ตรวจวัด : 22-29 เมษายน 2567



COPY

## แผนผังทิศทางและความเร็วลม

Request No. LA67-R0546

บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน) (โครงการ 2)

Sample No. 11392

จุดตรวจวัด : วัดเขาชีธรรมนิมิต (A1)

วันที่ตรวจวัด : 22-29 เมษายน 2567

เวลา	22-23 เมษายน 2567		23-24 เมษายน 2567		24-25 เมษายน 2567		25-26 เมษายน 2567		26-27 เมษายน 2567		27-28 เมษายน 2567		28-29 เมษายน 2567	
	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม
09:00-10:00	0.9	SW	0.9	SW	0.4	SW	0.0	-	1.3	SW	0.9	WSW	1.3	SW
10:00-11:00	0.4	SW	0.4	WSW	0.9	SW	0.4	WSW	0.9	SW	0.4	SW	0.9	WSW
11:00-12:00	0.4	SW	0.4	SW	0.9	WSW	0.4	WSW	0.9	WSW	0.4	WSW	1.3	WSW
12:00-13:00	0.9	SW	0.9	SW	0.9	WSW	0.4	SW	0.9	WSW	0.9	W	0.9	W
13:00-14:00	0.9	SSW	0.9	SW	0.4	WSW	0.9	W	1.3	WSW	0.4	SW	0.9	W
14:00-15:00	0.4	SSW	1.3	SW	0.4	WSW	1.3	W	0.9	W	0.9	WSW	1.3	WSW
15:00-16:00	0.0	-	0.4	SW	0.4	NE	0.9	W	0.9	W	0.4	WSW	1.3	WSW
16:00-17:00	0.4	SSW	0.9	SW	0.4	SW	0.4	WSW	1.3	SW	1.3	W	1.3	WSW
17:00-18:00	0.9	SSW	0.4	SW	0.9	SW	1.3	SW	0.9	WSW	0.9	SW	1.3	SW
18:00-19:00	1.3	SSW	1.3	SW	1.3	SW	0.9	WSW	0.9	SW	0.9	SW	0.9	SW
19:00-20:00	0.9	SSW	0.9	SW	1.3	SW	0.4	SW	1.3	SW	0.9	SW	0.4	SW
20:00-21:00	0.9	SSW	0.4	SW	0.4	WSW	0.4	WSW	0.4	WSW	0.9	SW	0.4	WSW
21:00-22:00	0.9	SW	0.0	-	0.9	SW	0.4	SW	0.9	WSW	0.4	SW	0.4	WSW
22:00-23:00	0.4	SW	0.4	SW	0.9	SW	0.4	SW	1.3	SW	0.9	SW	0.4	SW
23:00-00:00	0.9	SW	0.0	-	0.0	-	0.4	WSW	0.4	WSW	0.9	SW	0.4	SW
00:00-01:00	1.3	SSW	0.4	SW	0.0	-	0.4	SW	0.4	SW	0.0	-	0.9	SW
01:00-02:00	0.4	SW	0.0	-	0.9	SW	0.4	SW	0.4	SW	0.4	WSW	0.4	WSW
02:00-03:00	0.0	-	0.9	SW	0.4	SW	0.4	SW	0.0	-	0.9	SW	0.4	WSW
03:00-04:00	0.9	SW	0.9	SW	0.9	SW	0.0	-	0.0	-	0.4	SW	0.4	WSW
04:00-05:00	0.4	SW	1.3	SSW	0.4	SW	0.0	-	0.0	-	0.9	SW	0.9	SW
05:00-06:00	0.4	SW	0.4	SW	0.0	-	0.0	-	0.4	SW	0.9	SW	0.9	SW
06:00-07:00	0.9	SW	0.0	-	0.4	SW	0.0	-	0.0	-	0.9	SW	0.9	SW
07:00-08:00	0.4	SW	0.0	-	0.0	-	0.0	-	0.0	-	1.8	SW	1.3	SW
08:00-09:00	0.9	SW	0.4	SW	0.0	-	0.4	SW	0.4	WSW	1.3	SW	0.4	WSW

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แผนผังทิศทางและความเร็วลม

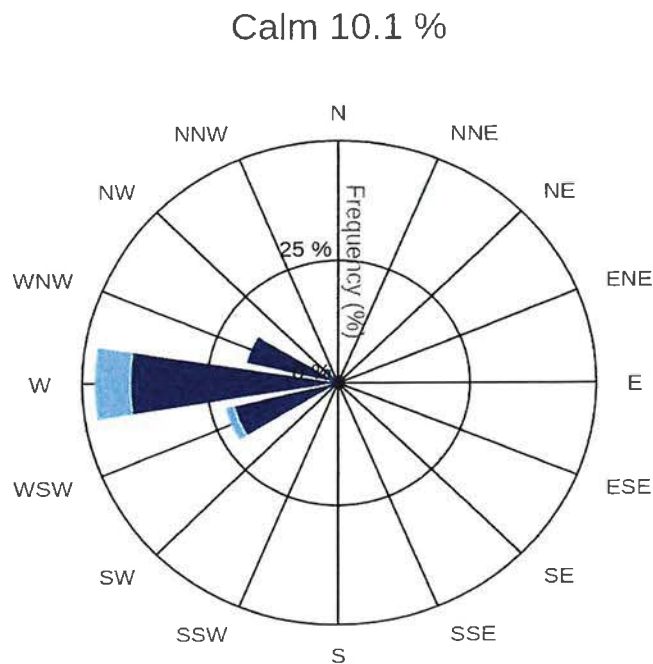
Request No. LA67-R0546

บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน) (โครงการ 2)

Sample No. 11391

จุดตรวจวัด : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)

วันที่ตรวจวัด : 22-29 เมษายน 2567



0.4-1.9 2.0-3.9 4.0-5.9 6.0-7.9 8.0-9.9 > 9.9 (m/s)

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	20.2	1.8	0.0	0.0	0.0	0.0	22.0
W	39.9	7.1	0.0	0.0	0.0	0.0	47.0
WNW	17.9	0.0	0.0	0.0	0.0	0.0	17.9
NW	3.0	0.0	0.0	0.0	0.0	0.0	3.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	10.1						

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## แผนผังทิศทางและความเร็วลม

Request No. LA67-R0546

บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน) (โครงการ 2)

Sample No. 11391

จุดตรวจวัด : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)

วันที่ตรวจวัด : 22-29 เมษายน 2567

เวลา	22-23 เมษายน 2567		23-24 เมษายน 2567		24-25 เมษายน 2567		25-26 เมษายน 2567		26-27 เมษายน 2567		27-28 เมษายน 2567		28-29 เมษายน 2567	
	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม
09:00-10:00	1.8	W	1.8	WNW	0.9	WNW	1.3	W	2.2	W	1.3	WSW	2.2	W
10:00-11:00	1.3	WNW	1.3	WNW	1.3	WNW	0.9	WSW	1.3	W	0.4	W	1.8	W
11:00-12:00	1.3	WNW	1.8	W	1.3	WNW	0.9	W	1.3	W	0.9	W	1.3	W
12:00-13:00	0.9	WNW	1.3	WNW	1.3	WNW	0.4	WSW	0.9	NW	0.9	WNW	0.9	WNW
13:00-14:00	0.9	W	1.8	W	0.4	WNW	0.4	WNW	1.3	WNW	0.9	W	0.9	NW
14:00-15:00	0.9	WNW	2.2	W	0.9	W	0.4	WNW	1.3	NW	0.9	WNW	0.9	WNW
15:00-16:00	0.9	WNW	2.2	W	0.4	NW	0.4	WNW	1.3	WNW	0.9	WNW	1.8	WNW
16:00-17:00	1.3	WNW	1.8	W	1.3	W	1.3	WSW	1.8	W	0.9	WNW	2.2	W
17:00-18:00	2.2	W	2.7	W	0.9	NW	2.2	W	2.7	WSW	1.8	W	2.2	W
18:00-19:00	2.2	W	2.7	WSW	1.3	WNW	1.8	WNW	2.2	W	2.7	WSW	1.8	W
19:00-20:00	2.2	W	1.8	WSW	1.8	W	0.9	WNW	1.8	WSW	1.8	W	1.8	W
20:00-21:00	1.8	W	1.8	WSW	1.3	W	0.9	W	1.8	WSW	1.3	W	1.3	W
21:00-22:00	1.3	W	1.3	WSW	0.9	W	0.9	WSW	0.9	W	0.4	W	0.9	W
22:00-23:00	0.9	W	0.4	WSW	0.4	W	0.4	W	1.3	W	0.9	W	0.4	W
23:00-00:00	0.4	W	0.4	WSW	0.0	-	0.9	WSW	1.3	W	0.9	W	1.3	WSW
00:00-01:00	0.9	WSW	0.4	WSW	0.4	W	1.3	WSW	0.9	W	0.4	W	0.9	W
01:00-02:00	0.0	-	0.4	WSW	0.4	W	0.4	WSW	0.4	W	0.9	W	0.9	WNW
02:00-03:00	0.0	-	0.4	WSW	0.4	WSW	0.0	-	0.0	-	1.3	W	0.9	W
03:00-04:00	0.9	W	0.4	W	0.0	-	0.0	-	0.0	-	0.9	W	0.9	W
04:00-05:00	0.4	W	0.9	W	0.0	-	0.0	-	0.0	-	0.9	WSW	0.4	W
05:00-06:00	0.4	WSW	0.4	W	0.0	-	0.4	WSW	0.4	WSW	0.9	WSW	1.3	W
06:00-07:00	0.9	W	0.0	-	0.0	-	0.4	WSW	0.4	WSW	0.9	WSW	0.9	WSW
07:00-08:00	0.9	W	0.0	-	0.0	-	0.9	WSW	0.0	-	1.3	WSW	0.9	W
08:00-09:00	1.8	W	0.9	WSW	0.9	W	1.3	WSW	0.9	W	1.8	W	0.9	W

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 3-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), EQ Tank  
Sampling Date : 03/01/24 Report No. : 670001-R0002  
Sampling Time : 11.00 AM Report Date : 18/01/24  
Sample No. : WW 0002/67 Received Date : 03/01/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 03/01/24-15/01/24

Item / Parameter	Unit	Method <sup>1/</sup>	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	14
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	43
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	21
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	21
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.4
Temperature	°C	Laboratory and Field Method (SM 2550 B)	27.3
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	976
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	17.1
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	10.3
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5

Physical Appearance : Yellowish, Lightly SS

Remark : <sup>1/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)

3-341-P-0002

18/01/24



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789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), EQ Tank  
Sampling Date : 03/01/24 Report No. : 670001-R0002  
Sampling Time : 11.00 AM Report Date : 18/01/24  
Sample No. : WW 0002/67 Received Date : 03/01/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 03/01/24-15/01/24

Item / Parameter	Unit	Method	Result
Free Chlorine	mg/L	Portable Photometer	0.00

---

Physical Appearance : Yellowish, Lightly SS

---

Remark :

Review by :

  
(Mr. Songkran Malaithong)  
18/01/24

Approved by :

  
(Miss Panida Ruamlarp)  
18/01/24



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## Test Report

Request No : W6701003

Report No : 6701-0732

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67010004

Sample Name : EQ Tank\*\*

Sampling Date : 03/01/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/01/2024

Tested Date : 04/01/2024 - 13/01/2024

Reported Date : 15/01/2024

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0025
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020

Physical Apperance : 1. Sample : white, turbid

2. Container : Normal [ PE 0.5 L [ 4 Bottle] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

15/01/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

15/01/2024

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## Test Report

Request No : W6701003

Report No : 6701-0732

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67010004

Sample Name : EQ Tank\*\* Sampling Date : 03/01/2024\*\*

Sampling By : ETC\*\* Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\* Received Date : 04/01/2024

Tested Date : 04/01/2024 - 13/01/2024 Reported Date : 15/01/2024

Parameter	Unit	Method	Result
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05

Physical Apperance : 1. Sample : white, turbid

2. Container : Normal [ PE 0.5 L [ 4 Bottle] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)

15/01/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)

15/01/2024

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## Test Report

Request No : W6701003

Report No : 6701-0732

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67010004

Sample Name : EQ Tank\*\*

Sampling Date : 03/01/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/01/2024

Tested Date : 04/01/2024 - 13/01/2024

Reported Date : 15/01/2024

Parameter	Unit	Method	Result
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08

Physical Appearance : 1. Sample : white, turbid

2. Container : Normal [ PE 0.5 L [ 4 Bottle ] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
15/01/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
15/01/2024

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## Test Report

Request No : W6701003

Report No : 6701- 0732

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67010004

Sample Name : EQ Tank\*\* Sampling Date : 03/01/2024\*\*

Sampling By : ETC\*\* Sampling Time : 11:00 AM\*\*

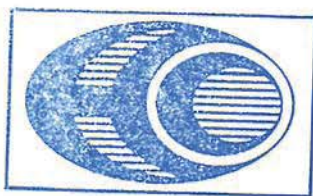
Sampling Method : Grab\*\* Received Date : 04/01/2024

Tested Date : 04/01/2024 - 13/01/2024 Reported Date : 15/01/2024

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,538
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.42
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.95
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Apperance : 1. Sample : white, turbid  
2. Container : Normal [ PE 0.5 L [ 4 Bottle] ]

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.  
3. Miss Nunnaphat Bakhuntod is Technical Management.  
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*  
5. \*\* = These data are non laboratory data.



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Examined By : .....

(Miss Nunnaphat Bakhuntod)  
15/01/2024

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## PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

### TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), EQ Tank  
Sampling Date : 01/02/24 Report No. : 670001-R0447  
Sampling Time : 11:15AM Report Date : 21/02/24  
Sample No. : WW0484/67 Received Date : 01/02/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 01/02/24-19/02/24

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	14	-
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	58	-
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.9	-
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1044	-
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	14.4	-
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	-
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-Norg B and 4500-NH <sub>3</sub> C)	31.0	-
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	29	-
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	28	-
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sub>2</sub> - F)	<0.5	-

Physical Appearance : Yellow Turbid , Medium SS

Remark : <sup>1/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

P. Ba.

(Miss Panida Ruamlarp)

7-341-0-0002

21/02/24

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789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

### TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), EQ Tank  
Sampling Date : 01/02/24 Report No. : 670001-R0447  
Sampling Time : 11:15AM Report Date : 21/02/24  
Sample No. : WW0484/67 Received Date : 01/02/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 01/02/24-19/02/24

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
pH (On site)	-	Electrometric Method	7.6	-
Free Chlorine	mg/L	Portable Photometer	0.00	-

Physical Appearance : Yellow Turbid , Medium SS

Remark :

Review by :

(Mr. Songkran Malaithong)

21/02/24

Approved by :

(Miss Panida Ruamlarp)

21/02/24



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## Test Report

Request No : W6702049

Report No : 6702-0530

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67020141

Sample Name : EQ Tank\*\*

Sampling Date : 01/02/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/02/2024

Tested Date : 02/02/2024 - 10/02/2024

Reported Date : 12/02/2024

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	<0.0020
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03
Cadmium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03
Copper @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	<0.020

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle ] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

12/02/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

12/02/2024

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## Test Report

Request No : W6702049

Report No : 6702-0530

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67020141

Sample Name : EQ Tank\*\*

Sampling Date : 01/02/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/02/2024

Tested Date : 02/02/2024 - 10/02/2024

Reported Date : 12/02/2024

Parameter	Unit	Method	Result
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

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3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

12/02/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

12/02/2024

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## Test Report

Request No : W6702049

Report No : 6702-0530

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67020141

Sample Name : EQ Tank\*\*

Sampling Date : 01/02/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/02/2024

Tested Date : 02/02/2024 - 10/02/2024

Reported Date : 12/02/2024

Parameter	Unit	Method	Result
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	<0.0020
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle ] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

12/02/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

12/02/2024

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## Test Report

Request No : W6702049

Report No : 6702- 0530

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67020141

Sample Name : EQ Tank\*\*

Sampling Date : 01/02/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/02/2024

Tested Date : 02/02/2024 - 10/02/2024

Reported Date : 12/02/2024

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,840
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.23
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.77
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle ] ]

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

2. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

5. \*\* = These data are non laboratory data.



Examined By : .....

(Miss Nunnaphat Bakhuntod)  
12/02/2024

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789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 2-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 04/03/67 Report No. : 670001-R0720  
Sampling Time : 11.00 AM Report Date : 20/03/67  
Sample No. : WW0786/67 Received Date : 04/03/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 04/03/67-15/03/67

Item / Parameter	Unit	Method <sup>1/</sup>	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	10
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	20
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3
Temperature	°C	Laboratory and Field Method (SM 2550 B)	32.2
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1200
Total Kjeldahl Nitrogen (TKN)	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	18.5
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	12.6
Sulfide	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5

---

Physical Appearance : Yellow, Medium SS

---

Remark : <sup>1/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)

จ-341-ค-0002

20/03/67



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789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 04/03/67 Report No. : 670001-R0720  
Sampling Time : 11.00 AM Report Date : 20/03/67  
Sample No. : WW0786/67 Received Date : 04/03/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 04/03/67-15/03/67

Item / Parameter	Unit	Method	Result
pH (On site)	-	Electrometric Method	7.6
Free Chlorine	mg/L	Portable Photometer	0.01

Physical Appearance : Yellow, Medium SS

Remark :

Review by :

  
(Mr. Songkran Malaithong)  
20/03/67

Approved by :

  
(Miss Panida Ruamlarp)  
20/03/67



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## Test Report

Request No : W6703074

Report No : 6703-0889

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียคณปิ่นทอง โครงการ 2\*\* Sample No : W 67030208

Sample Name : EQ Tank\*\* Sampling Date : 04/03/2024\*\*

Sampling By : ETC\*\* Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/03/2024

Tested Date : 05/03/2024 - 12/03/2024 Reported Date : 18/03/2024

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	<0.0020
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03
Cadmium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03
Copper @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	<0.020

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

18/03/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

18/03/2024

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## Test Report

Request No : W6703074

Report No : 6703-0889

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67030208

Sample Name : EQ Tank\*\*

Sampling Date : 04/03/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/03/2024

Tested Date : 05/03/2024 - 12/03/2024

Reported Date : 18/03/2024

Parameter	Unit	Method	Result
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03

Physical Appearance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/03/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/03/2024

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## Test Report

Request No : W6703074

Report No : 6703-0889

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67030208

Sample Name : EQ Tank\*\* Sampling Date : 04/03/2024\*\*

Sampling By : ETC\*\* Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/03/2024

Tested Date : 05/03/2024 - 12/03/2024 Reported Date : 18/03/2024

Parameter	Unit	Method	Result
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	<0.0020
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04

Physical Appearance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

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Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

18/03/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

18/03/2024

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## Test Report

Request No : W6703074

Report No : 6703-0889

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67030208

Sample Name : EQ Tank\*\* Sampling Date : 04/03/2024\*\*

Sampling By : ETC\*\* Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/03/2024

Tested Date : 05/03/2024 - 12/03/2024 Reported Date : 18/03/2024

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,903
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.63
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle), PE 1.0 L ]

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

2. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

5. \*\* = These data are non laboratory data.



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Examined By : .....

(Miss Nunnaphat Bakhuntod)

18/03/2024

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789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 2-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 01/04/67 Report No. : 670001-R1061  
Sampling Time : 10.30 AM Report Date : 24/04/67  
Sample No. : WW1162/67 Received Date : 01/04/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 01/04/67-19/04/67

Item / Parameter	Unit	Method <sup>1/</sup>	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	11
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	65
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	26
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	25
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	3.1
Temperature	°C	Laboratory and Field Method (SM 2550 B)	32.4
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	744
Total Kjeldahl Nitrogen (TKN)	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	18.7
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	30.7
Sulfide	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5

Physical Appearance : Yellow, Medium SS

Remark : <sup>1/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)

2-341-ก-0002

24/04/67



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789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 01/04/67 Report No. : 670001-R1061  
Sampling Time : 10.30 AM Report Date : 24/04/67  
Sample No. : WW1162/67 Received Date : 01/04/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 01/04/67-19/04/67

Item / Parameter	Unit	Method	Result
pH (On site)	-	Electrometric Method	7.5
Free Chlorine	mg/L	Portable Photometer	0.03

Physical Appearance : Yellow, Medium SS

Remark :

Review by :

(Mr. Songkran Malaithong)

24/04/67

Approved by :

(Miss Panida Ruamlarp)

24/04/67



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## Test Report

Request No : W6704018

Report No : 6704-0837

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67040093

Sample Name : EQ Tank\*\* Sampling Date : 01/04/2024\*\*

Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\* Received Date : 02/04/2024

Tested Date : 02/04/2024 - 12/04/2024 Reported Date : 18/04/2024

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0030
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

18/04/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

18/04/2024

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## Test Report

Request No : W6704018

Report No : 6704-0837

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67040093

Sample Name : EQ Tank\*\* Sampling Date : 01/04/2024\*\*

Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\* Received Date : 02/04/2024

Tested Date : 02/04/2024 - 12/04/2024 Reported Date : 18/04/2024

Parameter	Unit	Method	Result
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

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4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

18/04/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

18/04/2024

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## Test Report

Request No : W6704018

Report No : 6704-0837

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67040093

Sample Name : EQ Tank\*\*

Sampling Date : 01/04/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/04/2024

Tested Date : 02/04/2024 - 12/04/2024

Reported Date : 18/04/2024

Parameter	Unit	Method	Result
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (1-003-ค-0018) \*

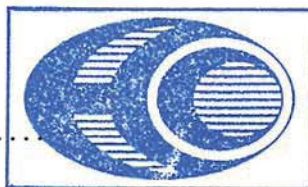
4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(1-003-ค-0007)

18/04/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(1-003-ค-0005)

18/04/2024

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## Test Report

Request No : W6704018

Report No : 6704- 0837

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67040093

Sample Name : EQ Tank\*\* Sampling Date : 01/04/2024\*\*

Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\* Received Date : 02/04/2024

Tested Date : 02/04/2024 - 12/04/2024 Reported Date : 18/04/2024

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,987
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.61
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.99
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

2. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

5. \*\* = These data are non laboratory data.



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Examined By : .....

(Miss Nunnaphat Bakhuntod)

18/04/2024

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 2-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 02/05/67 Report No. : 670001-R1416  
Sampling Time : 11.00 AM Report Date : 27/05/67  
Sample No. : WW1555/67 Received Date : 02/05/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 02/05/67-17/05/67

Item / Parameter	Unit	Method <sup>1/</sup>	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	27
Chemical Oxygen Demand	mg/L	Closed Reflux, Colorimetric Method (SM 5220 D)	408
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	22
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	22
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	9.4
Temperature	°C	Laboratory and Field Method (SM 2550 B)	35.4
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	872
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	31.1
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	268
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	1.3

**Physical Appearance** : Yellow Turbid , Highly SS**Remark** : <sup>1/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)

2-341-0002

27/05/67



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789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมบ่บ่ทอง (โครงการ 2), EQ Tank  
Sampling Date : 02/05/67 Report No. : 670001-R1416  
Sampling Time : 11.00 AM Report Date : 27/05/67  
Sample No. : WW1555/67 Received Date : 02/05/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 02/05/67-17/05/67

Item / Parameter	Unit	Method	Result
pH (On site)	-	Electrometric Method	7.6
Free Chlorine	mg/L	Portable Photometer	0.00

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Physical Appearance : Yellow Turbid , Highly SS

---

Remark :

Review by :

(Mr. Songkran Malaithong)

27/05/67

Approved by :

(Miss Panida Ruamlarp)

27/05/67

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## Test Report

Request No : W6705027

Report No : 6705-1124

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียชนิดบึงหนอง โครงการ 2\*\*

Sample No : W 67050130

Sample Name : EQ Tank\*\*

Sampling Date : 02/05/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/05/2024

Tested Date : 03/05/2024 - 10/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0157
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.45
Cadmium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Copper @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.67
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	< 0.020

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

21/05/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

21/05/2024

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## Test Report

Request No : W6705027

Report No : 6705-1124

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67050130

Sample Name : EQ Tank\*\*

Sampling Date : 02/05/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/05/2024

Tested Date : 03/05/2024 - 10/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.26
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	0.0012
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.15

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (1-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(1-003-ท-0007)

21/05/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(1-003-ท-0005)

21/05/2024

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## Test Report

Request No : W6705027

Report No : 6705-1124

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67050130

Sample Name : EQ Tank\*\* Sampling Date : 02/05/2024\*\*

Sampling By : ETC\*\* Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\* Received Date : 03/05/2024

Tested Date : 03/05/2024 - 10/05/2024 Reported Date : 21/05/2024

Parameter	Unit	Method	Result
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	<0.0020
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	2.82

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

21/05/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

21/05/2024

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## Test Report

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียชนิดบ่อกวน โครงการ 2\*\*

Sample Name : EQ Tank\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 03/05/2024 - 10/05/2024

Request No : W6705027

Report No : 6705- 1124

Sample No : W 67050130

Sampling Date : 02/05/2024\*\*

Sampling Time : 11:00 AM\*\*

Received Date : 03/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,662
Iron *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	17.1
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	7.68
Silver @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

2. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

5. \*\* = These data are non laboratory data.



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Examined By : .....

(Miss Nunnaphat Bakhuntod)

21/05/2024

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 04/06/67 Report No. : 670001-R1843  
Sampling Time : 11.15 AM Report Date : 19/06/67  
Sample No. : WW2007/67 Received Date : 04/06/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 04/06/67-17/06/67

Item / Parameter	Unit	Method <sup>1/</sup>	Result
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	10
Chemical Oxygen Demand	mg/L	Closed Reflux, Colorimetric Method (SM 5220 D)	40
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3
Temperature	°C	Laboratory and Field Method (SM 2550 B)	32.1
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	796
Total Kjeldahl Nitrogen (TKN)	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	12.7
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	13.2
Sulfide	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5

**Physical Appearance** : Yellowish , Lightly SS**Remark** : <sup>1/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

(Miss Panida Ruamlarp)

7-341-P-0002

19/06/67

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Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), EQ Tank  
Sampling Date : 04/06/67 Report No. : 670001-R1843  
Sampling Time : 11.15 AM Report Date : 19/06/67  
Sample No. : WW2007/67 Received Date : 04/06/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 04/06/67-17/06/67

Item / Parameter	Unit	Method	Result
pH (On site)	-	Electrometric Method	7.3
Free Chlorine	mg/L	Portable Photometer	0.00

Physical Appearance : Yellowish , Lightly SS

Remark :

Review by :

  
(Mr. Songkran Malaithong)  
19/06/67

Approved by :

  
(Miss Panida Ruamlarp)  
19/06/67



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## Test Report

Request No : W6706031

Report No : 6706-0961

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060121

Sample Name : EQ Tank

Sampling Date : 04/06/2024

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 05/06/2024

Tested Date : 05/06/2024 - 15/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result
Arsenic	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0040
Barium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020

Physical Appearance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

2. Sampling By Miss Janthanee Saiphan (จ-003-ค-0018)

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
21/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
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## Test Report

Request No : W6706031

Report No : 6706-0961

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060121

Sample Name : EQ Tank

Sampling Date : 04/06/2024

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 05/06/2024

Tested Date : 05/06/2024 - 15/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result
Hexavalent Chromium	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05
Mercury	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

2. Sampling By Miss Janthanee Saiphan (จ-003-ค-0018)

Examined By : (Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
21/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
21/06/2024REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6706031

Report No : 6706-0961

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060121

Sample Name : EQ Tank

Sampling Date : 04/06/2024

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 05/06/2024

Tested Date : 05/06/2024 - 15/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result
Selenium	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07

Physical Appearance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

2. Sampling By Miss Janthanee Saiphan (จ-003-ค-0018)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

21/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

21/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6706031

Report No : 6706-0961

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060121

Sample Name : EQ Tank

Sampling Date : 04/06/2024

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 05/06/2024

Tested Date : 05/06/2024 - 15/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result
Flow Rate	m <sup>3</sup> /day	Calculation Method	2,349
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.34
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.56
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Miss Janthanee Saiphan



บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

21/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), Polishing Pond  
Sampling Date : 05/01/24 Report No. : 670001-R0035  
Sampling Time : 10.15 AM Report Date : 18/01/24  
Sample No. : WW 0037/67 Received Date : 05/01/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 05/01/24-15/01/24

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	10	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	26	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	26	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.5	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.1	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1214	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	6.8	≤50
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	0.7	≤1

Physical Appearance : Yellow Turbid, Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).<sup>2/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamtarp)

7-341-P-0002

18/01/24

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## PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

### TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), Polishing Pond  
Sampling Date : 05/01/24 Report No. : 670001-R0035  
Sampling Time : 10.15 AM Report Date : 18/01/24  
Sample No. : WW 0037/67 Received Date : 05/01/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 05/01/24-15/01/24

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Free Chlorine	mg/L	Portable Photometer	0.09	≤1

Physical Appearance : Yellow Turbid, Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :

(Mr. Songkran Malaithong)

18/01/24

Approved by :

(Miss Panida Ruamlarp)

18/01/24

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## Test Report

Request No : W6701041

Report No : 6701-0968

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมบ้านทอง โครงการ 2\*\*

Sample No : W 67010158

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 05/01/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/01/2024

Tested Date : 09/01/2024 - 17/01/2024

Reported Date : 19/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0020	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS.

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

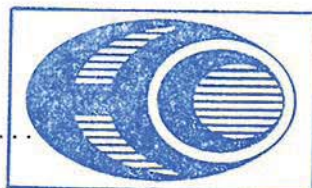
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
19/01/2024



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
19/01/2024

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## Test Report

Request No : W6701041

Report No : 6701-0968

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67010158

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 05/01/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/01/2024

Tested Date : 09/01/2024 - 17/01/2024

Reported Date : 19/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)

19/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)

19/01/2024

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## Test Report

Request No : W6701041

Report No : 6701-0968

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67010158

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 05/01/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/01/2024

Tested Date : 09/01/2024 - 17/01/2024

Reported Date : 19/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1./1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthance Saiphan (จ-003-ท-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

19/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

19/01/2024

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## Test Report

Request No : W6701041

Customer : Pinthong Industrial Park Public Company Limited\*\*

Report No : 6701-0968

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67010158

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 05/01/2024\*\*

Sampling By : ETC\*\* Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\* Received Date : 06/01/2024

Tested Date : 09/01/2024 - 17/01/2024 Reported Date : 19/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.58	-
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

6. \*\* = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)  
19/01/2024

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## PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 1-341

### TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), Polishing Pond  
Sampling Date : 05/02/24 Report No. : 670001-R0488  
Sampling Time : 10:10AM Report Date : 21/02/24  
Sample No. : WW0528/67 Received Date : 05/02/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 05/02/24-19/02/24

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	5	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤120
Temperature	°C	Laboratory and Field Method (SM 2550 B)	33.4	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1152	≤3000
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	<5	≤50
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-Norg B and 4500-NH <sub>3</sub> C)	<10	≤100
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	22	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	22	≤300
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sub>2</sub> - F)	<0.5	≤1

Physical Appearance : Yellow Turbid , Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016)

<sup>2/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

P. Ruamlarp

(Miss Panida Ruamlarp)

1-341-A-0002

21/02/24

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## PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

### TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), Polishing Pond  
Sampling Date : 05/02/24 Report No. : 670001-R0488  
Sampling Time : 10:10AM Report Date : 21/02/24  
Sample No. : WW0528/67 Received Date : 05/02/24  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 05/02/24-19/02/24

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
pH (On site)	-	Electrometric Method	8.8	5.5-9.0
Free Chlorine	mg/L	Portable Photometer	0.07	≤1

Physical Appearance : Yellow Turbid , Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016)

Review by :

*Songkran M.*  
(Mr. Songkran Malaithong)

21/02/24

Approved by :

*P. Da.*  
(Miss Panida Ruamlarp)

21/02/24



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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## Test Report

Request No : W6702110

Report No : 6702-0852

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67020378

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 03/02/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/02/2024

Tested Date : 07/02/2024 - 14/02/2024

Reported Date : 21/02/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0183	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-0018) \*

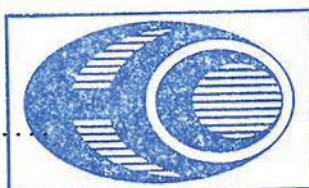
5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

21/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

21/02/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6702110

Report No : 6702-0852

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67020378

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 03/02/2024\*\*

Sampling By : ETC\*\* Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/02/2024

Tested Date : 07/02/2024 - 14/02/2024 Reported Date : 21/02/2024

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

21/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

21/02/2024

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## Test Report

Request No : W6702110

Report No : 6702-0852

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67020378

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 03/02/2024\*\*

Sampling By : ETC\*\* Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/02/2024

Tested Date : 07/02/2024 - 14/02/2024 Reported Date : 21/02/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 5

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

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5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

21/02/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

21/02/2024

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## Test Report

Request No : W6702110

Report No : 6702- 0852

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67020378

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 03/02/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/02/2024

Tested Date : 07/02/2024 - 14/02/2024

Reported Date : 21/02/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.01	-
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

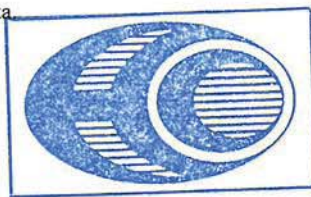
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

6. \*\* = These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Nunnaphat Bakhuntod)

21/02/2024

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WITHOUT THE WRITTEN APPROVAL LABORATORY

**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
Sampling Date : 06/03/67 Report No. : 670001-R0793  
Sampling Time : 10.30 AM Report Date : 20/03/67  
Sample No. : WW0864/67 Received Date : 06/03/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 06/03/67-15/03/67

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	7	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	24	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	23	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
Temperature	°C	Laboratory and Field Method (SM 2550 B)	32.8	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1200	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	10.3	≤50
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5	≤1

Physical Appearance : Yellow, Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).<sup>2/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

(Miss Panida Ruamlarp)

7-341-0002

20/03/67

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
Sampling Date : 06/03/67 Report No. : 670001-R0793  
Sampling Time : 10.30 AM Report Date : 20/03/67  
Sample No. : WW0864/67 Received Date : 06/03/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 06/03/67-15/03/67

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
pH (On site)	-	Electrometric Method	7.5	5.5-9.0
Free Chlorine	mg/L	Portable Photometer	0.06	≤1

Physical Appearance : Yellow, Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :



(Mr. Songkran Malaithong)

20/03/67

Approved by :



(Miss Panida Ruamlarp)

20/03/67



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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## Test Report

Request No : W6703171

Report No : 6703-0979

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67030524

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/03/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/03/2024

Tested Date : 11/03/2024 - 15/03/2024

Reported Date : 19/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0028	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

19/03/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

19/03/2024

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## Test Report

Request No : W6703171

Report No : 6703-0979

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67030524

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/03/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/03/2024

Tested Date : 11/03/2024 - 15/03/2024

Reported Date : 19/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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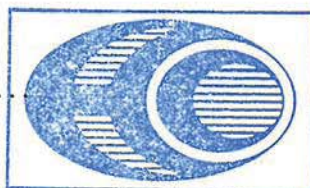
5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

19/03/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

19/03/2024

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## Test Report

Request No : W6703171

Report No : 6703-0979

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67030524

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/03/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/03/2024

Tested Date : 11/03/2024 - 15/03/2024

Reported Date : 19/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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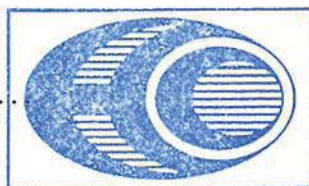
5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

19/03/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

19/03/2024

## Test Report

Request No : W6703171

Report No : 6703-0979

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67030524

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/03/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/03/2024

Tested Date : 11/03/2024 - 15/03/2024

Reported Date : 19/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron <sup>@</sup>	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.67	-
Silver <sup>@</sup>	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L(3 Bottle) , PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

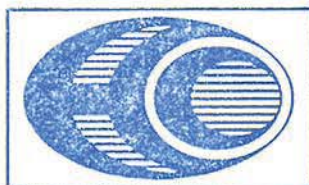
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

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6. \*\* = These data are non laboratory data.



Examined By : .....

(Miss Nunnaphat Bakhuntod)

19/03/2024

**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. ๓-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
Sampling Date : 03/04/67 Report No. : 670001-R1141  
Sampling Time : 09.40 AM Report Date : 25/04/67  
Sample No. : WW1248/67 Received Date : 03/04/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 03/04/67-19/04/67

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	10	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	41	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	21	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	21	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
Temperature	°C	Laboratory and Field Method (SM 2550 B)	33.3	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	996	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	15.5	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	8.9	≤50
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5	≤1

Physical Appearance : Yellow, Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).<sup>2/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

*P.A.*

(Miss Panida Ruamlarp)

๓-341-๓-0002

25/04/67

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
Sampling Date : 03/04/67 Report No. : 670001-R1141  
Sampling Time : 09.40 AM Report Date : 25/04/67  
Sample No. : WW1248/67 Received Date : 03/04/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 03/04/67-19/04/67

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
pH (On site)	-	Electrometric Method	7.6	5.5-9.0
Free Chlorine	mg/L	Portable Photometer	0.05	≤1

Physical Appearance : Yellow, Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :

  
(Mr. Songkran Malaithong)  
25/04/67

Approved by :

  
(Miss Panida Ruamlarp)  
25/04/67



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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## Test Report

Request No : W6704116

Report No : 6704-1250

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67040396

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 03/04/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/04/2024

Tested Date : 09/04/2024 - 19/04/2024

Reported Date : 24/04/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2

Physical Appearance : 1. Sample : slightly - white, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ค-0018) \*

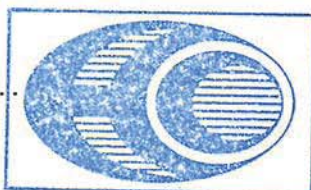
5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

24/04/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

24/04/2024

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## Test Report

Request No : W6704116

Report No : 6704-1250

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 67040396

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 03/04/2024\*\*

Sampling By : ETC\*\* Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\* Received Date : 04/04/2024

Tested Date : 09/04/2024 - 19/04/2024 Reported Date : 24/04/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤1

Physical Appearance : 1. Sample : slightly - white, turbid  
2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)  
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5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ท-0007)  
24/04/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-0005)  
24/04/2024

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## Test Report

Request No : W6704116

Report No : 6704-1250

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67040396

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 03/04/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/04/2024

Tested Date : 09/04/2024 - 19/04/2024

Reported Date : 24/04/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	<0.0020	≤0.02
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5

Physical Appearance : 1. Sample : slightly - white, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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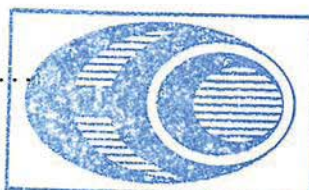
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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthance Saiphan (จ-003-ท-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ท-0007)  
24/04/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-0005)  
24/04/2024

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## Test Report

Request No : W6704116

Report No : 6704- 1250

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67040396

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 03/04/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/04/2024

Tested Date : 09/04/2024 - 19/04/2024

Reported Date : 24/04/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.68	-
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Apperance : 1. Sample : slightly - white, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

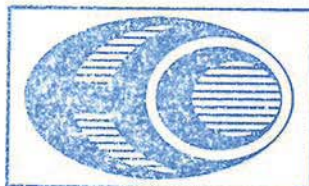
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

6. \*\* = These data are non laboratory data.



Examined By : .....

(Miss Nunnaphat Bakhuntod)  
24/04/2024

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789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. ๓-341

**TEST REPORT**

**Customer Name** : Pinthong Industrial Park Public Co., Ltd  
**Address** : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
**Sampling By** : CLIENT  
**Sampling Method** : GRAB  
**Sampling Name** : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
**Sampling Date** : 06/05/67 **Report No.** : 670001-R1516  
**Sampling Time** : 10.30 AM **Report Date** : 27/05/67  
**Sample No.** : WW1649/67 **Received Date** : 06/05/67  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 06/05/67-17/05/67

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	14	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Colorimetric Method (SM 5220 D)	43	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	38	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	33	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
Temperature	°C	Laboratory and Field Method (SM 2550 B)	33.8	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1104	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	10.8	≤50
Sulfide	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5	≤1

**Physical Appearance** : Yellowish , Medium SS**Remark** : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).<sup>2/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

*P. Da*

(Miss Panida Ruamlarp)

๓-341-๓-0002

27/05/67

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

**TEST REPORT**

**Customer Name** : Pinthong Industrial Park Public Co., Ltd  
**Address** : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
**Sampling By** : CLIENT  
**Sampling Method** : GRAB  
**Sampling Name** : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
**Sampling Date** : 06/05/67 **Report No.** : 670001-R1516  
**Sampling Time** : 10.30 AM **Report Date** : 27/05/67  
**Sample No.** : WW1649/67 **Received Date** : 06/05/67  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 06/05/67-17/05/67

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
pH (On site)	-	Electrometric Method	8.6	5.5-9.0
Free Chlorine	mg/L	Portable Photometer	0.07	≤1

**Physical Appearance** : Yellowish , Medium SS

**Remark** : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :

  
(Mr. Songkran Malaithong)  
27/05/67

Approved by :

  
(Miss Panida Ruamlarp)  
27/05/67



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## Test Report

Request No : W6705113

Report No : 6705-1142

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67050444

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/05/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/05/2024

Tested Date : 08/05/2024 - 17/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-0018) \*

5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

21/05/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

21/05/2024

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## Test Report

Request No : W6705113

Report No : 6705-1142

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67050444

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/05/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/05/2024

Tested Date : 08/05/2024 - 17/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤1

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

21/05/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

21/05/2024

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## Test Report

Request No : W6705113

Report No : 6705-1142

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67050444

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/05/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/05/2024

Tested Date : 08/05/2024 - 17/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

21/05/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

21/05/2024

REPORTED ~~TEST~~ REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6705113

Report No : 6705-1142

Customer : Pinthong Industrial Park Public Company Limited\*\*

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 67050444

Sample Name : Polishing Pond (Effluent)\*\*

Sampling Date : 06/05/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/05/2024

Tested Date : 08/05/2024 - 17/05/2024

Reported Date : 21/05/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.35	-
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

6. \*\* = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Nunnaphat Bakhuntod)

21/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY

**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230  
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 3-341

**TEST REPORT**

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
Sampling Date : 06/06/67 Report No. : 670001-R1877  
Sampling Time : 10.04 AM Report Date : 19/06/67  
Sample No. : WW2030/67 Received Date : 06/06/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 06/06/67-17/06/67

Item / Parameter	Unit	Method <sup>2/</sup>	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	7	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Colorimetric Method (SM 5220 D)	<40	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	25	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	23	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
Temperature	°C	Laboratory and Field Method (SM 2550 B)	33.3	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	678	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	5.7	≤50
Sulfide	mg/l as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM 4500-S <sup>2-</sup> F)	<0.5	≤1

**Physical Appearance** : Yellowish , Lightly SS**Remark** : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).<sup>2/</sup> SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

*P. Ba.*

(Miss Panida Ruamlarp)

3-341-0002

19/06/67

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# PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

## TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd  
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand  
Sampling By : CLIENT  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมอุตสาหกรรมปิ่นทอง (โครงการ 2), Polishing Pond  
Sampling Date : 06/06/67 Report No. : 670001-R1877  
Sampling Time : 10.04 AM Report Date : 19/06/67  
Sample No. : WW2030/67 Received Date : 06/06/67  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 06/06/67-17/06/67

Item / Parameter	Unit	Method	Result	Standard <sup>1/</sup>
pH (On site)	-	Electrometric Method	7.0	5.5-9.0
Free Chlorine	mg/L	Portable Photometer	0.10	≤1

Physical Appearance : Yellowish , Lightly SS

Remark : <sup>1/</sup> Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :

(Mr. Songkran Malaithong)

19/06/67

Approved by :

(Miss Panida Ruamlarp)

19/06/67



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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## Test Report

Request No : W6706133

Report No : 6706-1383

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060436

Sample Name : Polishing Pond (Effluent)

Sampling Date : 06/06/2024

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 07/06/2024

Tested Date : 12/06/2024 - 17/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Arsenic	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0020	≤0.25
Barium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

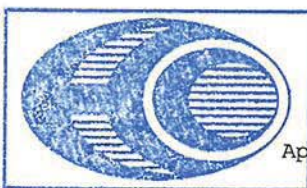
3. Sampling By Miss Janthanee Saiphan (จ-003-ค-0018)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

21/06/2024



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

21/06/2024

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## Test Report

Request No : W6706133

Report No : 6706-1383

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060436

Sample Name : Polishing Pond (Effluent)

Sampling Date : 06/06/2024

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 07/06/2024

Tested Date : 12/06/2024 - 17/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Hexavalent Chromium	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤5
Mercury	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	0.0010	≤0.005
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Janthanee Saiphan (ว-003-ก-0018)

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

21/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

21/06/2024

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## Test Report

Request No : W6706133

Report No : 6706-1383

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060436

Sample Name : Polishing Pond (Effluent)

Sampling Date : 06/06/2024

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 07/06/2024

Tested Date : 12/06/2024 - 17/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 5

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Janthanee Saiphan (จ-003-ก-0018)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

21/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

21/06/2024

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## Test Report

Request No : W6706133

Report No : 6706-1383

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 67060436

Sample Name : Polishing Pond (Effluent)

Sampling Date : 06/06/2024

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 07/06/2024

Tested Date : 12/06/2024 - 17/06/2024

Reported Date : 21/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	-
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.26	-
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.05	-

Physical Apperance : 1. Sample : lightly SS

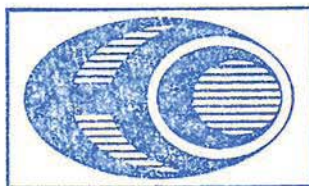
2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L ]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

4. Sampling By Miss Janthanee Saiphan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORYExamined By : 

(Miss Apiradee Chuen-arom)

21/06/2024

**TEST REPORT**

Customer : Pinthong Industrial Park Public Company Limited\*\*  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230\*\*  
Sampling Source : Surface Water (Leamchabang Project)\*\* Sample No. : W 67021366  
Sample Name : คลองห้วยใหญ่จุดระบายน้ำทิ้งโครงการ (SW1)\*\* Sampling Date : 16/02/2024\*\*  
Sampling By : ETC\*\* Sampling Time : 8:35 AM\*\*  
Sampling Method : Grab\*\* Received Date : 17/02/2024  
Tested Date : 17/02/2024 – 26/02/2024 Reported Date : 02/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	< 0.0020	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	12.6	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	3,300	-
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
Flow Rate *	m <sup>3</sup> /day	Calculation Method	972.0	-
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,  
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017  
3. Miss Nunnaphat Bakhuntod is Technical Management.  
4. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
5. Parameter Outside The Scope of The Registration of Department of Industrial Works  
6. \* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส  
7. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
8. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul \*  
9. \*\* = These data are non laboratory data.



Examined By.....

( Miss Nunnaphat Bakhuntod )

02/03/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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**TEST REPORT**

Customer : Pinthong Industrial Park Public Company Limited\*\*  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230\*\*  
Sampling Source : Surface Water (Leamchabang Project)\*\* Sample No. : W 67021366  
Sample Name : คลองห้วยใหญ่จุระบายน้ำทิ้งโครงการ (SW1)\*\* Sampling Date : 16/02/2024\*\*  
Sampling By : ETC\*\* Sampling Time : 8:35 AM\*\*  
Sampling Method : Grab\*\* Received Date : 17/02/2024  
Tested Date : 17/02/2024 – 26/02/2024 Reported Date : 02/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	๗ **
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]

5. Parameter Outside The Scope of The Registration of Department of Industrial Works

6. ๗ \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส

7. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร

Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร

8. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul \*

9. \*\* = These data are non laboratory data



Examined By.....

( Miss Nunnaphat Bakhuntod )

02/03/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

**TEST REPORT**

Customer : Pinthong Industrial Park Public Company Limited\*\*  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230\*\*  
Sampling Source : Surface Water (Leamchabang Project)\*\* Sample No. : W 67021367  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)###\*\* Sampling Date : 16/02/2024\*\*  
Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 17/02/2024  
Tested Date : 17/02/2024 – 26/02/2024 Reported Date : 02/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0212	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	21.5	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	160,000	-
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
Flow Rate *	m <sup>3</sup> /day	Calculation Method	777.6	-
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05

Physical Appearance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,  
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017  
3. Miss Nunnaphat Bakhuntod is Technical Management.  
4. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
5. Parameter Outside The Scope of The Registration of Department of Industrial Works  
6. \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส  
7. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
8. \* = Test Report/Sampling marked Not Accredited. Sampling By Miss Pornpinan Viriyakusolkul \*  
9. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2) / \*\*=These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

( Miss Nunnaphat Bakhuntod )

02/03/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

**TEST REPORT**

Customer : Pinthong Industrial Park Public Company Limited\*\*  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230\*\*  
Sampling Source : Surface Water (Leamchabang Project)\*\* Sample No. : W 67021367  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)### Sampling Date : 16/02/2024\*\*  
Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 17/02/2024  
Tested Date : 17/02/2024 – 26/02/2024 Reported Date : 02/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.99	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	๓ **
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]

5. Parameter Outside The Scope of The Registration of Department of Industrial Works

6. ๓ \*\* = คุณภูมิของน้ำจะต้องไม่สูงกว่าคุณภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส

7. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร

Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร

8. \* = Test Report/Sampling marked **Not Accredited**, Sampling By Miss Pornpinan Viriyakusolkul \*

9. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2) / \*\*=These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

( Miss Nunnaphat Bakhuntod)

02/03/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

**TEST REPORT**

Customer : Pinthong Industrial Park Public Company Limited\*\*  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230\*\*  
Sampling Source : Surface Water (Leamchabang Project)\*\* Sample No. : W 67021368  
Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)\*\*\* Sampling Date : 16/02/2024\*\*  
Sampling By : ETC\*\* Sampling Time : 10:15 AM\*\*  
Sampling Method : Grab\*\* Received Date : 17/02/2024  
Tested Date : 17/02/2024 – 26/02/2024 Reported Date : 02/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0071	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.2	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.004	≤ 0.005
Flow Rate *	m <sup>3</sup> /day	Calculation Method	950.4	-
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

3. Miss Nunnaphat Bakhuntod is Technical Management.

4. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]

5. Parameter Outside The Scope of The Registration of Department of Industrial Works

6. ข \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส

7. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร

Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร

8. \* = Test Report/Sampling marked **Not Accredited. Sampling By Miss Pornpinan Viriyakusolkul \***

9. ## จุดบรรจบระหว่างคลองห้วยใหญ่กับคลองหนองปรือ (SW3)/\*\* = These data are non laboratory data.



Examined By.....

( Miss Nunnaphat Bakhuntod )

02/03/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

**TEST REPORT**

Customer : Pinthong Industrial Park Public Company Limited\*\*  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230\*\*  
Sampling Source : Surface Water (Leamchabang Project)\*\* Sample No. : W 67021368  
Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)\*\*\* Sampling Date : 16/02/2024\*\*  
Sampling By : ETC\*\* Sampling Time : 10:15 AM\*\*  
Sampling Method : Grab\*\* Received Date : 17/02/2024  
Tested Date : 17/02/2024 – 26/02/2024 Reported Date : 02/03/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.60	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	๓ **
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,  
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017  
3. Miss Nunnaphat Bakhuntod is Technical Management.  
4. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
5. Parameter Outside The Scope of The Registration of Department of Industrial Works  
6. ๓ \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส  
7. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
8. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul \*  
9. ## จุดบรรจบระหว่างคลองห้วยใหญ่กับคลองหนองปรือ (SW3) /\*\* = These data are non laboratory data.



Examined By.....

( Miss Nunnaphat Bakhuntod )

02/03/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. W6705586

Report No. 6706-0514

## TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230  
Sampling Source : Surface Water (Leamchabang Project) Sample No. : W 67051809  
Sample Name : คลองห้วยใหญ่กระจายน้ำทั้งโครงการ (SW1) Sampling Date : 24/05/2024  
Sampling By : ETC Sampling Time : 9:30 AM  
Sampling Method : Grab Received Date : 25/05/2024  
Tested Date : 25/05/2024 – 01/06/2024 Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0030	≤ 0.01
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	11.0	≤ 4
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.004	≤ 0.005
Flow Rate	m <sup>3</sup> /day	Calculation Method	979.0	-
Hexavalent Chromium	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023  
3. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
4. Parameter Outside The Scope of The Registration of Department of Industrial Works  
5. ร \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิมาตรฐานธรรมชาติ เกิน 3 องศาเซลเซียส  
6. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
7. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

( Miss Apiradee Chuen-arom )

17/06/2024

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Request No. W6705586

Report No. 6706-0514

## TEST REPORT

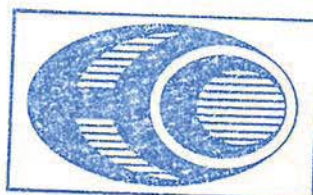
Customer : Pinthong Industrial Park Public Company Limited  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230  
Sampling Source : Surface Water (Leamchabang Project) Sample No. : W 67051809  
Sample Name : คลองห้วยใหญ่จุดระบายน้ำทิ้งโครงการ (SW1) Sampling Date : 24/05/2024  
Sampling By : ETC Sampling Time : 9:30 AM  
Sampling Method : Grab Received Date : 25/05/2024  
Tested Date : 25/05/2024 – 01/06/2024 Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	≤ 1
Mercury	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 0.1
pH (on site)		Electrometric Method	7.2	5.0-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	๓ **
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023  
3. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
4. Parameter Outside The Scope of The Registration of Department of Industrial Works  
5. ๓ \*\* = คุณหมอน้ำจะต้องไม่สูงกว่าคุณหมอนิยามธรรมชาติ เกิน 3 องศาเซลเซียส  
6. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
7. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By.....

( Miss Apiradee Chuen-arom )

17/06/2024

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Request No. W6705586

Report No. 6706-0515

## TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230  
Sampling Source : Surface Water (Leamchabang Project) Sample No. : W 67051810  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)## Sampling Date : 24/05/2024  
Sampling By : ETC Sampling Time : 10:30 AM  
Sampling Method : Grab Received Date : 25/05/2024  
Tested Date : 25/05/2024 – 01/06/2024 Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0115	≤ 0.01
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.8	≤ 4
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.004	≤ 0.005
Flow Rate	m <sup>3</sup> /day	Calculation Method	1,885	-
Hexavalent Chromium	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023  
3. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
4. Parameter Outside The Scope of The Registration of Department of Industrial Works  
5. \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส  
6. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
7. Sampling By Mr. Songpon Phiwuan  
8. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2)



Examined By.....

( Miss Apiradee Chuen-arom )

17/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. W6705586

Report No. 6706-0515

## TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230

Sampling Source : Surface Water (Leamchabang Project) Sample No. : W 67051810

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)## Sampling Date : 24/05/2024

Sampling By : ETC Sampling Time : 10:30 AM

Sampling Method : Grab Received Date : 25/05/2024

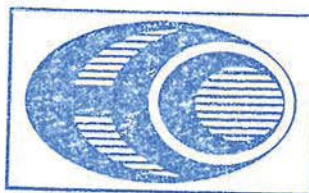
Tested Date : 25/05/2024 – 01/06/2024 Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.28	≤ 1
Mercury	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
pH (on site)		Electrometric Method	6.8	5.0-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	30	๓ **
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
  2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
  3. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]
  4. Parameter Outside The Scope of The Registration of Department of Industrial Works
  5. ๓ \*\* = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
  6. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ  $\text{CaCO}_3$  ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ  $\text{CaCO}_3$  เกินกว่า 100 มิลลิกรัมต่อลิตร
  7. Sampling By Mr. Songpon Phiwuan
  8. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Examined By.....

( Miss Apiradee Chuen-arom )

17/06/2024

Request No. W6705586

Report No. 6706-0516

## TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited  
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230  
Sampling Source : Surface Water (Leamchabang Project) Sample No. : W 67051811  
Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)## Sampling Date : 24/05/2024  
Sampling By : ETC Sampling Time : 10:15 AM  
Sampling Method : Grab Received Date : 25/05/2024  
Tested Date : 25/05/2024 – 10/06/2024 Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0096	≤ 0.01
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.9	≤ 4
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria	MPN : 100 mL	MPN Test Method (SM:9221B)	160,000	-
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤ 0.1
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.002	≤ 0.005
Flow Rate	m <sup>3</sup> /day	Calculation Method	5,313	-
Hexavalent Chromium	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023  
3. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]  
4. Parameter Outside The Scope of The Registration of Department of Industrial Works  
5. \*\* = คุณหมิของน้ำจะต้องไม่สูงกว่าคุณหมิตามธรรมชาติ เกิน 3 องศาเซลเซียส  
6. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร  
7. Sampling By Mr. Songpon Phiwuan  
8. ## จุดบรรจบระหว่างคลองห้วยใหญ่กับคลองหนองบัว (SW3)



Examined By.....

( Miss Apiradee Chuen-arom )

17/06/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
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Request No. W6705586

Report No. 6706-0516

## TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230

Sampling Source : Surface Water (Leamchabang Project) Sample No. : W 67051811

Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)## Sampling Date : 24/05/2024

Sampling By : ETC Sampling Time : 10:15 AM

Sampling Method : Grab Received Date : 25/05/2024

Tested Date : 25/05/2024 – 10/06/2024 Reported Date : 17/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.28	≤ 1
Mercury	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
pH (on site)		Electrometric Method	6.7	5.0-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	28	๗ **
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	≤ 1

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L (4 Bottle), PE 1.0 L, PE 1.8 L, G 0.25 L ]

- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
  2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023
  3. MDL = Method Detection Limit [ MDL of Cyanide = 0.008 mg/L ]
  4. Parameter Outside The Scope of The Registration of Department of Industrial Works
  5. ๗ \*\* = คุณหมิของน้ำจะต้องไม่สูงกว่าคุณหมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
  6. \*\*\* Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO<sub>3</sub> เกินกว่า 100 มิลลิกรัมต่อลิตร
  7. Sampling By Mr. Songpon Phiwuan
  8. ## จุดบรรจบระหว่างคลองห้วยใหญ่กับคลองหนองปรือ (SW3)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด


 Examined By.....

( Miss Apiradee Chuen-arom )

17/06/2024

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## Test Report

Request No : W6705587

Report No : 6706-1654

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051812

Sample Name : คลองห้วยใหญ่กระจายน้ำทิ้งโครงการ

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 01/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Arsenic (As)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	< 5.00	≤ 10
Cadmium (Cd)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	< 0.15	≤ 1
Chromium (Cr)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	12.1	≤ 43.4
Lead (Pb)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	1.39	≤ 36
Manganese (Mn)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	95.1	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor AAS (US EPA. Method 3050B, 7471B)	< 0.20	≤ 0.2
Nickel (Ni)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	6.45	≤ 23

Physical Appearance : 1. Sample : gray, sludge

2. Container : Bag

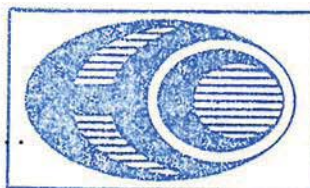
Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (ว-003-ก-0016)

3. Unit mg/kg (Dry weight)

4. United States Environmental Protection Agency. SW-846 Method 3050B (1996), 6010C, 7471B (2007).

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ก-0007)  
27/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ก-0005)  
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## Test Report

Request No : W6705587

Report No : 6706-1654

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051812

Sample Name : คลองห้วยใหญ่กระจายน้ำทิ้งโครงการ

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 01/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium (Se)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	< 5.00	-
Zinc (Zn)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	52.7	≤ 120

Physical Apperance : 1. Sample : gray, sludge

2. Container : Bag

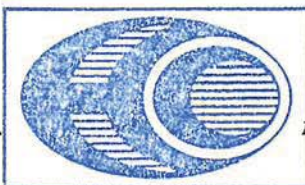
Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (ว-003-ก-0016)

3. Unit mg/kg (Dry weight)

4. United States Environmental Protection Agency. SW-846 Method 3050B (1996), 6010C, 7471B (2007).

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ก-0007)  
27/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ก-0005)  
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## Test Report

Request No : W6705587

Report No : 6706-1654

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051812

Sample Name : คลองห้วยใหญ่จุดระบายน้ำทิ้งโครงการ

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 01/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Copper (Cu)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	5.10	≤31.5

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Songpon Phiwuan

4. Unit mg/kg (Dry weight)

5. United States Environmental Protection Agency. SW-846 Method 3050B (1996), 6010C (2007).

Examined By : 

(Miss Apiradee Chuen-arom)

27/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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## Test Report

Request No : W6705587

Report No : 6706-1655

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051813

Sample Name : คลองห้วยใหญ่กระจายน้ำทิ้งโครงการ

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 11/06/2024 - 14/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	< 0.10	-
Cadmium	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	< 0.02	-
Chromium	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.27	-
Lead	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.05	-
Manganese	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	4.06	-
Mercury	mg/L	Waste Extraction, Cold - Vapor AAS (US EPA. Method 7471B)	< 0.0010	-
Nickel	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.20	-

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (ว-003-ค-0016)

3. United States Environmental Protection Agency. SW-846 Method 6010C, 7471B (2007), 1310A.

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

27/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

27/06/2024

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## Test Report

Request No : W6705587

Report No : 6706-1655

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051813

Sample Name : คลองห้วยใหญ่จุระบายน้ำทั้งโครงการ

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 11/06/2024 - 14/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	< 0.10	-
Zinc	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	3.01	-

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)

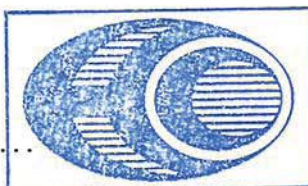
3. United States Environmental Protection Agency. SW-846 Method 6010C, 7471B (2007), 1310A.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

27/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

27/06/2024

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## Test Report

Request No : W6705587

Report No : 6706-1655

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051813

Sample Name : คลองห้วยใหญ่กระจายน้ำทั้งโครงการ

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 11/06/2024 - 14/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Copper	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.03	-

Physical Apperance : 1. Sample : gray, soil

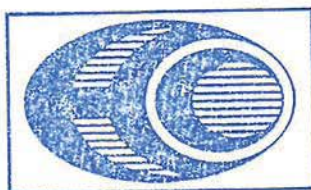
2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Songpon Phiwuan

4. United States Environmental Protection Agency. SW-846 Method 6010C (2007), 1310A.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

27/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6705587

Report No : 6706-1656

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051814

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 01/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic (As)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	14.4	≤10
Cadmium (Cd)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	0.15	≤1
Chromium (Cr)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	6.66	≤43.4
Lead (Pb)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	1.32	≤36
Manganese (Mn)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	69.9	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor AAS (US EPA. Method 3050B, 7471B)	<0.20	≤0.2
Nickel (Ni)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	5.87	≤23

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)

3. Unit mg/kg (Dry weight)

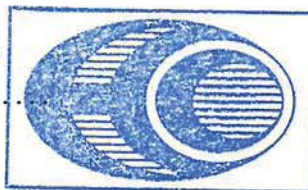
4. United States Environmental Protection Agency. SW-846 Method 3050B (1996), 6010C, 7471B (2007).

5. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)

27/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Page 1 of 2

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)

27/06/2024

## Test Report

Request No : W6705587

Report No : 6706-1656

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051814

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 01/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium (Se)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	< 5.00	-
Zinc (Zn)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	58.4	≤ 120

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag


Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (ว-003-ค-0016)

3. Unit mg/kg (Dry weight)

4. United States Environmental Protection Agency. SW-846 Method 3050B (1996), 6010C, 7471B (2007).

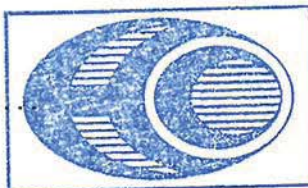
5. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

27/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

27/06/2024

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## Test Report

Request No : W6705587

Report No : 6706-1656

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051814

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 01/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Copper (Cu)	mg/kg	Digestion, ICP (US EPA. Method 3050B, 6010C)	4.51	≤31.5

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

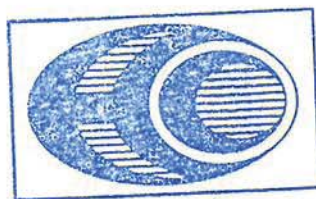
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Songpon Phiwuan

4. Unit mg/kg (Dry weight)

5. United States Environmental Protection Agency. SW-846 Method 3050B (1996), 6010C (2007).

6. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

Examined By : 

(Miss Apiradee Chuen-arom)

27/06/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
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## Test Report

Request No : W6705587

Report No : 6706-1657

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051815

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 11/06/2024 - 14/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	<0.10	-
Cadmium	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	<0.02	-
Chromium	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.17	-
Lead	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.05	-
Manganese	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	3.27	-
Mercury	mg/L	Waste Extraction, Cold - Vapor AAS (US EPA. Method 7471B)	<0.0010	-
Nickel	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.15	-

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)

3. United States Environmental Protection Agency. SW-846 Method 6010C, 7471B (2007), 1310A.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

27/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

27/06/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6705587

Report No : 6706-1657

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051815

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 11/06/2024 - 14/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	<0.10	-
Zinc	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	2.52	-

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)

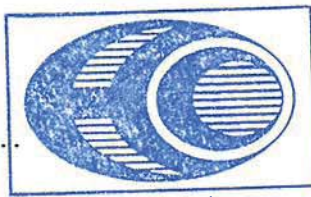
3. United States Environmental Protection Agency. SW-846 Method 6010C, 7471B (2007), 1310A.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

27/06/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

27/06/2024

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## Test Report

Request No : W6705587

Report No : 6706-1657

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 67051815

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 24/05/2024

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 25/05/2024

Tested Date : 11/06/2024 - 14/06/2024

Reported Date : 27/06/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Copper	mg/L	Waste Extraction, ICP (US EPA. Method 1310A, 6010C)	0.03	-

Physical Apperance : 1. Sample : gray, soil

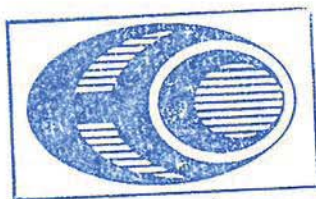
2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Songpon Phiwuan

4. United States Environmental Protection Agency. SW-846 Method 6010C (2007), 1310A.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Examined By : .....

(Miss Apiradee Chuen-arom)

27/06/2024

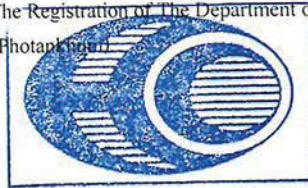
Request No. LA67-R0546

Report No. R6705-0596

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปันทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : วัดเขาศรีธรรมนิมิต  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$  &  $L_{dn}$  SAMPLE NO. : 11385  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 20-21/04/2024  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/04/2024  
 S/N 00230987 : Class 1 REPORTED DATE : 08/05/2024

TIME \ DATE	20-21/04/2024 ( $L_{eq}$ )	20-21/04/2024 ( $L_{90}$ )	UNIT
09:00 - 10:00 <sup>/3</sup>	54.4	49.9	dB(A)
10:00 - 11:00	55.0	51.7	dB(A)
11:00 - 12:00	55.3	51.4	dB(A)
12:00 - 13:00	55.5	51.9	dB(A)
13:00 - 14:00	55.6	51.3	dB(A)
14:00 - 15:00	56.6	52.7	dB(A)
15:00 - 16:00	56.1	51.9	dB(A)
16:00 - 17:00	55.9	51.6	dB(A)
17:00 - 18:00	53.5	48.8	dB(A)
18:00 - 19:00	52.3	48.6	dB(A)
19:00 - 20:00	54.0	49.7	dB(A)
20:00 - 21:00	51.5	47.2	dB(A)
21:00 - 22:00	49.7	45.5	dB(A)
22:00 - 23:00	49.1	44.3	dB(A)
23:00 - 00:00	48.2	43.6	dB(A)
00:00 - 01:00	48.4	41.2	dB(A)
01:00 - 02:00	50.5	41.7	dB(A)
02:00 - 03:00	46.8	39.8	dB(A)
03:00 - 04:00	46.3	40.0	dB(A)
04:00 - 05:00	57.3	42.0	dB(A)
05:00 - 06:00	50.6	45.2	dB(A)
06:00 - 07:00	53.2	47.2	dB(A)
07:00 - 08:00	53.4	48.5	dB(A)
08:00 - 09:00	53.7	48.1	dB(A)
$L_{eq}$ 24 hr.	53.6	-	dB(A)
$L_{dn}$	58.5	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photakhaeng)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0546

Report No. R6705-0597

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : วัดเขาชีธรรมณีนิต  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$  &  $L_{dn}$  SAMPLE NO. : 11386  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 21-22/04/2024  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/04/2024  
 S/N 00230987 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	21-22/04/2024 ( $L_{eq}$ )	21-22/04/2024 ( $L_{90}$ )	UNIT
09:00 - 10:00 <sup>/3</sup>	54.1	50.0	dB(A)
10:00 - 11:00	54.5	50.8	dB(A)
11:00 - 12:00	56.5	52.1	dB(A)
12:00 - 13:00	56.6	52.4	dB(A)
13:00 - 14:00	58.0	53.9	dB(A)
14:00 - 15:00	56.5	53.4	dB(A)
15:00 - 16:00	57.1	53.6	dB(A)
16:00 - 17:00	56.9	53.4	dB(A)
17:00 - 18:00	54.6	51.7	dB(A)
18:00 - 19:00	51.7	47.7	dB(A)
19:00 - 20:00	50.6	46.8	dB(A)
20:00 - 21:00	52.3	48.1	dB(A)
21:00 - 22:00	52.1	47.7	dB(A)
22:00 - 23:00	49.7	44.1	dB(A)
23:00 - 00:00	48.0	41.8	dB(A)
00:00 - 01:00	46.4	40.8	dB(A)
01:00 - 02:00	45.4	38.9	dB(A)
02:00 - 03:00	45.6	38.5	dB(A)
03:00 - 04:00	46.9	39.9	dB(A)
04:00 - 05:00	57.6	42.4	dB(A)
05:00 - 06:00	51.3	47.2	dB(A)
06:00 - 07:00	53.4	49.4	dB(A)
07:00 - 08:00	56.0	51.5	dB(A)
08:00 - 09:00	53.6	51.0	dB(A)
$L_{eq}$ 24 hr.	54.2	-	dB(A)
$L_{dn}$	58.6	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhump)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0546

Report No. R6705-0598

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปันทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : วัดเขาชีรรมนิมิต  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$  &  $L_{dn}$  SAMPLE NO. : 11387  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 22-23/04/2024  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/04/2024  
 S/N 00230987 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	22-23/04/2024 ( $L_{eq}$ )	22-23/04/2024 ( $L_{90}$ )	UNIT
09:00 - 10:00 <sup>/3</sup>	54.8	52.5	dB(A)
10:00 - 11:00	55.0	52.2	dB(A)
11:00 - 12:00	54.1	51.3	dB(A)
12:00 - 13:00	54.4	50.8	dB(A)
13:00 - 14:00	54.8	51.4	dB(A)
14:00 - 15:00	54.4	51.8	dB(A)
15:00 - 16:00	53.7	50.8	dB(A)
16:00 - 17:00	52.4	49.5	dB(A)
17:00 - 18:00	52.2	48.7	dB(A)
18:00 - 19:00	51.4	48.1	dB(A)
19:00 - 20:00	51.7	48.5	dB(A)
20:00 - 21:00	50.7	47.5	dB(A)
21:00 - 22:00	50.5	47.2	dB(A)
22:00 - 23:00	50.6	45.6	dB(A)
23:00 - 00:00	48.9	44.1	dB(A)
00:00 - 01:00	49.3	43.3	dB(A)
01:00 - 02:00	48.2	42.1	dB(A)
02:00 - 03:00	46.5	41.4	dB(A)
03:00 - 04:00	48.0	42.9	dB(A)
04:00 - 05:00	51.6	43.7	dB(A)
05:00 - 06:00	53.7	47.8	dB(A)
06:00 - 07:00	54.6	49.5	dB(A)
07:00 - 08:00	54.7	51.3	dB(A)
08:00 - 09:00	53.2	50.2	dB(A)
$L_{eq}$ 24 hr.	52.7	-	dB(A)
$L_{dn}$	57.8	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhura)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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 WITHOUT THE WRITTEN APPROVAL LABORATORY

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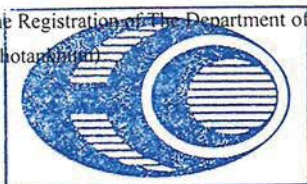
Request No. LA67-R0546

Report No. R6705-0599

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : โรงเรียนบ้านวังค้อ  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$  &  $L_{dn}$  SAMPLE NO. : 11388  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 20-21/04/2024  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/04/2024  
 S/N 01120949 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	20-21/04/2024 ( $L_{eq}$ )	20-21/04/2024 ( $L_{90}$ )	UNIT
09:00 - 10:00 <sup>/3</sup>	51.2	45.5	dB(A)
10:00 - 11:00	50.7	43.1	dB(A)
11:00 - 12:00	50.7	43.3	dB(A)
12:00 - 13:00	54.8	46.6	dB(A)
13:00 - 14:00	52.9	45.7	dB(A)
14:00 - 15:00	51.5	45.3	dB(A)
15:00 - 16:00	50.0	43.9	dB(A)
16:00 - 17:00	49.1	44.4	dB(A)
17:00 - 18:00	51.9	47.0	dB(A)
18:00 - 19:00	50.0	45.6	dB(A)
19:00 - 20:00	59.3	56.4	dB(A)
20:00 - 21:00	51.2	47.1	dB(A)
21:00 - 22:00	48.8	44.6	dB(A)
22:00 - 23:00	48.4	41.4	dB(A)
23:00 - 00:00	47.1	42.1	dB(A)
00:00 - 01:00	47.2	42.4	dB(A)
01:00 - 02:00	45.0	41.2	dB(A)
02:00 - 03:00	44.3	40.0	dB(A)
03:00 - 04:00	42.3	37.9	dB(A)
04:00 - 05:00	43.6	40.1	dB(A)
05:00 - 06:00	45.8	41.4	dB(A)
06:00 - 07:00	56.3	52.9	dB(A)
07:00 - 08:00	50.9	45.9	dB(A)
08:00 - 09:00	50.8	46.3	dB(A)
$L_{eq}$ 24 hr.	51.6	-	dB(A)
$L_{dn}$	56.2	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photanaphan)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By:   
(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0546

Report No. R6705-0600

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : โรงเรียนบ้านวังค้อ  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$  &  $L_{dn}$  SAMPLE NO. : 11389  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 21-22/04/2024  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/04/2024  
 S/N 01120949 : Class 1 REPORTED DATE : 08/05/2024

TIME \ DATE	21-22/04/2024 ( $L_{eq}$ )	21-22/04/2024 ( $L_{90}$ )	UNIT
09:00 - 10:00 <sup>/3</sup>	52.9	48.0	dB(A)
10:00 - 11:00	51.3	46.8	dB(A)
11:00 - 12:00	49.2	43.6	dB(A)
12:00 - 13:00	50.1	44.7	dB(A)
13:00 - 14:00	51.6	45.3	dB(A)
14:00 - 15:00	54.8	51.3	dB(A)
15:00 - 16:00	54.3	50.3	dB(A)
16:00 - 17:00	53.6	50.2	dB(A)
17:00 - 18:00	53.6	46.9	dB(A)
18:00 - 19:00	52.2	46.5	dB(A)
19:00 - 20:00	57.3	54.5	dB(A)
20:00 - 21:00	48.7	46.4	dB(A)
21:00 - 22:00	47.6	44.4	dB(A)
22:00 - 23:00	46.6	42.0	dB(A)
23:00 - 00:00	45.2	39.7	dB(A)
00:00 - 01:00	46.0	38.0	dB(A)
01:00 - 02:00	46.7	38.3	dB(A)
02:00 - 03:00	40.8	36.2	dB(A)
03:00 - 04:00	41.4	39.5	dB(A)
04:00 - 05:00	40.5	38.9	dB(A)
05:00 - 06:00	48.4	42.1	dB(A)
06:00 - 07:00	49.6	43.3	dB(A)
07:00 - 08:00	51.6	46.9	dB(A)
08:00 - 09:00	51.9	47.8	dB(A)
$L_{eq}$ 24 hr.	51.2	-	dB(A)
$L_{dn}$	54.3	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photakham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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Request No. LA67-R0546

Report No. R6705-0601

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : โรงเรียนบ้านวังค้อ  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$  &  $L_{dn}$  SAMPLE NO. : 11390  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 22-23/04/2024  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/04/2024  
 S/N 01120949 : Class I REPORTED DATE : 08/05/2024

TIME \ DATE	22-23/04/2024 ( $L_{eq}$ )	22-23/04/2024 ( $L_{90}$ )	UNIT
09:00 - 10:00 <sup>1/3</sup>	48.6	43.2	dB(A)
10:00 - 11:00	53.4	46.2	dB(A)
11:00 - 12:00	52.1	46.1	dB(A)
12:00 - 13:00	52.3	46.2	dB(A)
13:00 - 14:00	52.6	47.2	dB(A)
14:00 - 15:00	52.2	45.8	dB(A)
15:00 - 16:00	51.4	46.0	dB(A)
16:00 - 17:00	50.3	44.7	dB(A)
17:00 - 18:00	50.1	43.7	dB(A)
18:00 - 19:00	47.8	42.2	dB(A)
19:00 - 20:00	40.4	38.9	dB(A)
20:00 - 21:00	40.3	38.8	dB(A)
21:00 - 22:00	40.3	39.0	dB(A)
22:00 - 23:00	41.6	39.9	dB(A)
23:00 - 00:00	43.7	42.8	dB(A)
00:00 - 01:00	45.6	44.6	dB(A)
01:00 - 02:00	46.8	45.1	dB(A)
02:00 - 03:00	47.1	45.6	dB(A)
03:00 - 04:00	59.0	46.3	dB(A)
04:00 - 05:00	57.4	49.0	dB(A)
05:00 - 06:00	55.9	51.0	dB(A)
06:00 - 07:00	54.6	48.9	dB(A)
07:00 - 08:00	50.0	45.5	dB(A)
08:00 - 09:00	48.2	42.6	dB(A)
$L_{eq}$ 24 hr.	52.0	-	dB(A)
$L_{dn}$	59.9	-	dB(A)
Standard	70 <sup>1/1</sup> , 70 <sup>2/2</sup>	-	dB(A)

REMARK : <sup>1/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>1/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>1/3</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photakham)

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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

08/05/2024

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