

## ภาคผนวก

- ภาคผนวกที่ 1 ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม
- 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 2566
- ภาคผนวกที่ 11 ข้อกำหนดและข้อปฏิบัติของผู้ประกอบการในนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง)
- ภาคผนวกที่ 12 อัตราการระบายมลพิษทางอากาศ
- ภาคผนวกที่ 13 ผลการตรวจวัดปริมาณสารเคมี (VOCs) และสภาพแวดล้อมในการทำงานของโรงงานต่างๆ ภายในโครงการ
- ภาคผนวกที่ 14 ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้งจากโรงงานภายในนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง) ประจำเดือนกรกฎาคม-ธันวาคม 2566
- ภาคผนวกที่ 15 ข้อมูลการนำน้ำที่ผ่านการบำบัดกลับมาใช้ประโยชน์ ประจำเดือนกรกฎาคม-ธันวาคม 2566
- ภาคผนวกที่ 16 เอกสารพิจารณาการติดตั้งเวียร์ (Weir)
- ภาคผนวกที่ 17 การคำนวณค่าปรับในการบำบัดน้ำเสีย “นิคมอุตสาหกรรมปิ่นทอง โครงการ 2”
- ภาคผนวกที่ 18 Preventive Maintenance ของโครงการนิคมอุตสาหกรรมปิ่นทอง โครงการ 2 (แหลมฉบัง) ประจำปี 2566
- ภาคผนวกที่ 19 แผนงานและเอกสารชุดล่อกล่ารางวัลสาธารณะ ประจำปี 2566
- ภาคผนวกที่ 20 บันทึกปริมาณขยะมูลฝอยของโรงงาน
- ภาคผนวกที่ 21 โครงสร้างคณะทำงานเพื่อบริหาร และจัดการกากของเสีย
- ภาคผนวกที่ 22 ตัวอย่างเอกสารการจัดการกากของเสียอันตราย (Manifest Form)

## ภาคผนวก (ต่อ)

- ภาคผนวกที่ 23 ภาพถ่ายการช่วยเหลือชุมชนที่ตั้งอยู่ใกล้เคียงโดยรอบโครงการ  
ประจำเดือนกรกฎาคม-ธันวาคม 2566  
และสรุปผลการสำรวจความคิดเห็นของชุมชน ประจำปี 2566
- ภาคผนวกที่ 24 ตัวอย่างมาตรการด้านความปลอดภัย และแผนฉุกเฉินของโรงงานต่างๆ  
ภายในโครงการ
- ภาคผนวกที่ 25 แผนการจัดสัปดาห์แห่งความปลอดภัย ประจำปี 2566
- ภาคผนวกที่ 26 แผนการฝึกซ้อมดับเพลิงร่วมกับโรงงานต่างๆ ประจำปี 2566 และการฝึกซ้อมดับเพลิง  
ร่วมกับโรงงานต่างๆ โดยเทศบาลนครเจ้าพระยาสุรศักดิ์ ประจำปี 2566
- ภาคผนวกที่ 27 ตัวอย่างการฝึกซ้อมแผนฉุกเฉินของโรงงานในนิคมอุตสาหกรรม
- ภาคผนวกที่ 28 มาตรการด้านความปลอดภัย และแผนฉุกเฉินกรณีเกิดอุบัติเหตุหรือเพลิงไหม้
- ภาคผนวกที่ 29 ตัวอย่างเอกสารการตรวจสอบสภาพของอุปกรณ์/เครื่องจักร และระบบไฟฟ้า  
ของโรงงานอุตสาหกรรม
- ภาคผนวกที่ 30 แผนฉุกเฉินกรณีเกิดการรั่วไหลหรือไฟไหม้ของโรงงานที่เก็บกักก๊าซ LPG
- ภาคผนวกที่ 31 ผังแม่บทโครงการ
- ภาคผนวกที่ 32 สถิติอุบัติเหตุจากทางหลวงหมายเลข 7 ประจำปี 2566
- ภาคผนวกที่ 33 ปริมาณการใช้น้ำประปาของโรงงาน ประจำเดือนกรกฎาคม-ธันวาคม 2566
- 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 ในนิคม  
อุตสาหกรรมฯ ประจำปี 2566
- ภาคผนวกที่ 40 สรุปการดำเนินการพื้นที่สีเขียวแนวกันชน
- ภาคผนวกที่ 41 การฝึกซ้อมดับเพลิงของโครงการ โดยเทศบาลนครเจ้าพระยาสุรศักดิ์ ประจำปี 2566
- ภาคผนวกที่ 42 ตำแหน่งที่ตั้งการจัดเตรียมการติดตั้งระบบบำบัดน้ำเสียส่วนกลางทางเคมี
- ภาคผนวกที่ 43 E-mail แจ้งรายละเอียดและแนะนำป้องกันคุณภาพน้ำทิ้งโรงงาน  
ที่มีค่าไม่เป็นไปตามเกณฑ์มาตรฐาน

ภาคผนวกที่ 1

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

Request No. ATR6612007

Report No. 6612-0156 - 6612-0162

## 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 : 06/12/2023  
 TESTED DATE : 06/12/2023-08/12/2023  
 SAMPLE NO. : A66120156 - A66120162  
 REPORTED DATE : 11/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	21-22/11/2023	0.065	0.33	mg/m <sup>3</sup>
		22-23/11/2023	0.062	0.33	mg/m <sup>3</sup>
		23-24/11/2023	0.061	0.33	mg/m <sup>3</sup>
		24-25/11/2023	0.052	0.33	mg/m <sup>3</sup>
		25-26/11/2023	0.067	0.33	mg/m <sup>3</sup>
		26-27/11/2023	0.045	0.33	mg/m <sup>3</sup>
		27-28/11/2023	0.057	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 Klinsoon)

11/12/2023

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Request No. ATR6612007

Report No. 6612-0163 - 6612-0169

## 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 : 06/12/2023  
 TESTED DATE : 06/12/2023-08/12/2023  
 SAMPLE NO. : A66120163 - A66120169  
 REPORTED DATE : 11/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>/1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	21-22/11/2023	0.073	0.33	mg/m <sup>3</sup>
		22-23/11/2023	0.080	0.33	mg/m <sup>3</sup>
		23-24/11/2023	0.076	0.33	mg/m <sup>3</sup>
		24-25/11/2023	0.065	0.33	mg/m <sup>3</sup>
		25-26/11/2023	0.065	0.33	mg/m <sup>3</sup>
		26-27/11/2023	0.048	0.33	mg/m <sup>3</sup>
		27-28/11/2023	0.064	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 Klinsopon)

11/12/2023

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Request No. LA66-R1215

Report No. R6612-0349 - R6612-0355

## TEST REPORT

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

SAMPLE NO. : 34173-34179  
SAMPLING DATE : 21-28/11/2023  
RECEIVED DATE : 28/11/2023  
REPORTED DATE : 07/12/2023

TIME / DATE	21-22/11/2023	22-23/11/2023	23-24/11/2023	UNIT
13:00 - 14:00 <sup>2</sup>	0.020	0.020	0.022	ppm
14:00 - 15:00	0.014	0.016	0.020	ppm
15:00 - 16:00	0.020	0.019	0.019	ppm
16:00 - 17:00	0.023	0.023	0.018	ppm
17:00 - 18:00	0.026	0.024	0.023	ppm
18:00 - 19:00	0.029	0.027	0.028	ppm
19:00 - 20:00	0.029	0.025	0.028	ppm
20:00 - 21:00	0.040	0.034	0.030	ppm
21:00 - 22:00	0.034	0.026	0.024	ppm
22:00 - 23:00	0.026	0.019	0.023	ppm
23:00 - 00:00	0.023	0.016	0.013	ppm
00:00 - 01:00	0.015	0.008	0.010	ppm
01:00 - 02:00	0.006	0.012	0.012	ppm
02:00 - 03:00	0.007	0.018	0.015	ppm
03:00 - 04:00	0.011	0.015	0.008	ppm
04:00 - 05:00	0.010	0.010	0.012	ppm
05:00 - 06:00	0.015	0.018	0.016	ppm
06:00 - 07:00	0.021	0.018	0.018	ppm
07:00 - 08:00	0.028	0.023	0.021	ppm
08:00 - 09:00	0.038	0.026	0.019	ppm
09:00 - 10:00	0.029	0.024	0.018	ppm
10:00 - 11:00	0.027	0.025	0.017	ppm
11:00 - 12:00	0.025	0.027	0.018	ppm
12:00 - 13:00	0.023	0.025	0.018	ppm
Maximum 1 hr.	0.040	0.034	0.030	ppm
Average 24 hr.	0.022	0.021	0.019	ppm
Standard (1 hr.) <sup>1</sup>	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. Tummarat Pholantorn)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By

(MS. THANATPORN KLINSOPON)

07/12/2023

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Request No. LA66-R1215

Report No. R6612-0349 - R6612-0355

## TEST REPORT

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

SAMPLE NO. : 34173-34179  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	24-25/11/2023	25-26/11/2023	26-27/11/2023	UNIT
13:00 - 14:00 <sup>2</sup>	0.016	0.012	0.010	ppm
14:00 - 15:00	0.013	0.012	0.010	ppm
15:00 - 16:00	0.014	0.015	0.011	ppm
16:00 - 17:00	0.015	0.019	0.011	ppm
17:00 - 18:00	0.016	0.023	0.011	ppm
18:00 - 19:00	0.019	0.031	0.016	ppm
19:00 - 20:00	0.022	0.033	0.017	ppm
20:00 - 21:00	0.024	0.024	0.021	ppm
21:00 - 22:00	0.028	0.018	0.014	ppm
22:00 - 23:00	0.028	0.022	0.012	ppm
23:00 - 00:00	0.021	0.015	0.010	ppm
00:00 - 01:00	0.024	0.010	0.011	ppm
01:00 - 02:00	0.009	0.012	0.012	ppm
02:00 - 03:00	0.008	0.013	0.009	ppm
03:00 - 04:00	0.005	0.012	0.008	ppm
04:00 - 05:00	0.011	0.012	0.009	ppm
05:00 - 06:00	0.009	0.014	0.016	ppm
06:00 - 07:00	0.009	0.017	0.012	ppm
07:00 - 08:00	0.010	0.019	0.014	ppm
08:00 - 09:00	0.014	0.014	0.015	ppm
09:00 - 10:00	0.016	0.016	0.012	ppm
10:00 - 11:00	0.017	0.014	0.012	ppm
11:00 - 12:00	0.014	0.011	0.012	ppm
12:00 - 13:00	0.013	0.013	0.014	ppm
Maximum 1 hr.	0.028	0.033	0.021	ppm
Average 24 hr.	0.016	0.017	0.012	ppm
Standard (1 hr.) <sup>1</sup>	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. Tummalak Photakultham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KLINSOPON)

07/12/2023

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Request No. LA66-R1215

Report No. R6612-0349 - R6612-0355

## TEST REPORT

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

SAMPLE NO. : 34173-34179  
SAMPLING DATE : 21-28/11/2023  
RECEIVED DATE : 28/11/2023  
REPORTED DATE : 07/12/2023

TIME / DATE	27-28/11/2023	UNIT
13:00 - 14:00 <sup>1/2</sup>	0.017	ppm
14:00 - 15:00	0.013	ppm
15:00 - 16:00	0.011	ppm
16:00 - 17:00	0.016	ppm
17:00 - 18:00	0.019	ppm
18:00 - 19:00	0.022	ppm
19:00 - 20:00	0.025	ppm
20:00 - 21:00	0.031	ppm
21:00 - 22:00	0.028	ppm
22:00 - 23:00	0.023	ppm
23:00 - 00:00	0.021	ppm
00:00 - 01:00	0.022	ppm
01:00 - 02:00	0.023	ppm
02:00 - 03:00	0.020	ppm
03:00 - 04:00	0.012	ppm
04:00 - 05:00	0.008	ppm
05:00 - 06:00	0.021	ppm
06:00 - 07:00	0.030	ppm
07:00 - 08:00	0.036	ppm
08:00 - 09:00	0.030	ppm
09:00 - 10:00	0.029	ppm
10:00 - 11:00	0.024	ppm
11:00 - 12:00	0.022	ppm
12:00 - 13:00	0.023	ppm
Maximum 1 hr.	0.036	ppm
Average 24 hr.	0.022	ppm
Standard (1 hr.) <sup>1/</sup>	0.17	ppm

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
(MS. THANATPORN KLINSOPON)

07/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Request No. LA66-R1215

Report No. R6612-0335 - R6612-0341

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ต. สาขหนองค้อ-แหลมฉ้าง 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 : Horiba Model APNA-370 S/N XXSSJ4FM

SAMPLE NO. : 34159-34165  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	21-22/11/2023	22-23/11/2023	23-24/11/2023	UNIT
13:00 - 14:00 <sup>12</sup>	0.007	0.023	0.023	ppm
14:00 - 15:00	0.002	0.020	0.023	ppm
15:00 - 16:00	0.013	0.024	0.026	ppm
16:00 - 17:00	0.024	0.026	0.029	ppm
17:00 - 18:00	0.029	0.028	0.028	ppm
18:00 - 19:00	0.040	0.041	0.043	ppm
19:00 - 20:00	0.037	0.040	0.036	ppm
20:00 - 21:00	0.036	0.040	0.036	ppm
21:00 - 22:00	0.045	0.049	0.040	ppm
22:00 - 23:00	0.027	0.043	0.034	ppm
23:00 - 00:00	0.025	0.028	0.030	ppm
00:00 - 01:00	0.024	0.027	0.029	ppm
01:00 - 02:00	0.027	0.018	0.031	ppm
02:00 - 03:00	0.027	0.016	0.028	ppm
03:00 - 04:00	0.029	0.016	0.024	ppm
04:00 - 05:00	0.027	0.020	0.024	ppm
05:00 - 06:00	0.022	0.024	0.022	ppm
06:00 - 07:00	0.029	0.033	0.028	ppm
07:00 - 08:00	0.030	0.035	0.028	ppm
08:00 - 09:00	0.042	0.040	0.035	ppm
09:00 - 10:00	0.036	0.043	0.035	ppm
10:00 - 11:00	0.030	0.041	0.027	ppm
11:00 - 12:00	0.025	0.032	0.022	ppm
12:00 - 13:00	0.025	0.030	0.025	ppm
Maximum 1 hr.	0.045	0.049	0.043	ppm
Average 24 hr.	0.028	0.031	0.029	ppm
Standard (1 hr.) <sup>11</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>11</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>12</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarat Photankinun)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

07/12/2023

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Request No. LA66-R1215

Report No. R6612-0335 - R6612-0341

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ต. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : Horiba Model APNA-370 S/N XXSSJ4FM

SAMPLE NO. : 34159-34165  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	24-25/11/2023	25-26/11/2023	26-27/11/2023	UNIT
13:00 - 14:00 <sup>12</sup>	0.022	0.012	0.009	ppm
14:00 - 15:00	0.020	0.013	0.008	ppm
15:00 - 16:00	0.021	0.017	0.008	ppm
16:00 - 17:00	0.022	0.020	0.009	ppm
17:00 - 18:00	0.024	0.029	0.010	ppm
18:00 - 19:00	0.037	0.025	0.016	ppm
19:00 - 20:00	0.033	0.028	0.023	ppm
20:00 - 21:00	0.038	0.028	0.021	ppm
21:00 - 22:00	0.038	0.026	0.020	ppm
22:00 - 23:00	0.034	0.016	0.012	ppm
23:00 - 00:00	0.029	0.019	0.011	ppm
00:00 - 01:00	0.025	0.015	0.011	ppm
01:00 - 02:00	0.022	0.013	0.006	ppm
02:00 - 03:00	0.021	0.010	0.005	ppm
03:00 - 04:00	0.018	0.007	0.005	ppm
04:00 - 05:00	0.014	0.008	0.005	ppm
05:00 - 06:00	0.010	0.008	0.006	ppm
06:00 - 07:00	0.013	0.009	0.009	ppm
07:00 - 08:00	0.015	0.010	0.015	ppm
08:00 - 09:00	0.017	0.012	0.025	ppm
09:00 - 10:00	0.018	0.013	0.028	ppm
10:00 - 11:00	0.019	0.013	0.028	ppm
11:00 - 12:00	0.018	0.010	0.023	ppm
12:00 - 13:00	0.016	0.010	0.026	ppm
Maximum 1 hr.	0.038	0.029	0.028	ppm
Average 24 hr.	0.023	0.015	0.014	ppm
Standard (1 hr.) <sup>11</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>11</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>12</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarat Pholwongkham)

บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

07/12/2023

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Request No. LA66-R1215

Report No. R6612-0335 - R6612-0341

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ต. สายหนองค้อ-แหลมมั่งคั่ง 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 : Horiba Model APNA-370 S/N XXSSJ4FM

SAMPLE NO. : 34159-34165  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	27-28/11/2023	UNIT
13:00 - 14:00 <sup>2</sup>	0.021	ppm
14:00 - 15:00	0.018	ppm
15:00 - 16:00	0.019	ppm
16:00 - 17:00	0.022	ppm
17:00 - 18:00	0.028	ppm
18:00 - 19:00	0.057	ppm
19:00 - 20:00	0.042	ppm
20:00 - 21:00	0.049	ppm
21:00 - 22:00	0.041	ppm
22:00 - 23:00	0.035	ppm
23:00 - 00:00	0.024	ppm
00:00 - 01:00	0.016	ppm
01:00 - 02:00	0.014	ppm
02:00 - 03:00	0.014	ppm
03:00 - 04:00	0.015	ppm
04:00 - 05:00	0.018	ppm
05:00 - 06:00	0.015	ppm
06:00 - 07:00	0.016	ppm
07:00 - 08:00	0.018	ppm
08:00 - 09:00	0.024	ppm
09:00 - 10:00	0.026	ppm
10:00 - 11:00	0.027	ppm
11:00 - 12:00	0.011	ppm
12:00 - 13:00	0.025	ppm
Maximum 1 hr.	0.057	ppm
Average 24 hr.	0.025	ppm
Standard (1 hr.) <sup>1</sup>	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 Pholankhums)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

07/12/2023

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Request No. LA66-R1215

Report No. R6612-0342 - R6612-0348

## 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 : วัดเขาชีธรรมนิมิต (A1)  
 PARAMETER\* : Sulfur Dioxide  
 DETERMINATION METHOD : UV-Fluorescence  
 INSTRUMENT : API Model M100E S/N 640

SAMPLE NO. : 34166-34172  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	21-22/11/2023	22-23/11/2023	23-24/11/2023	UNIT
13:00 - 14:00 <sup>3</sup>	0.001	0.001	0.002	ppm
14:00 - 15:00	0.002	0.001	0.002	ppm
15:00 - 16:00	0.001	0.002	0.002	ppm
16:00 - 17:00	0.001	0.002	0.002	ppm
17:00 - 18:00	0.004	0.001	0.001	ppm
18:00 - 19:00	0.004	0.002	0.003	ppm
19:00 - 20:00	0.004	0.002	0.002	ppm
20:00 - 21:00	0.004	0.002	0.002	ppm
21:00 - 22:00	0.004	0.002	0.002	ppm
22:00 - 23:00	0.003	0.002	0.002	ppm
23:00 - 00:00	0.003	0.002	0.002	ppm
00:00 - 01:00	0.002	0.001	0.002	ppm
01:00 - 02:00	0.005	0.002	0.002	ppm
02:00 - 03:00	0.004	0.003	0.002	ppm
03:00 - 04:00	0.002	0.002	0.002	ppm
04:00 - 05:00	0.001	0.001	0.002	ppm
05:00 - 06:00	0.004	0.002	0.002	ppm
06:00 - 07:00	0.003	0.002	0.002	ppm
07:00 - 08:00	0.001	0.002	0.002	ppm
08:00 - 09:00	0.002	0.002	0.002	ppm
09:00 - 10:00	0.002	0.002	0.002	ppm
10:00 - 11:00	0.002	0.001	0.002	ppm
11:00 - 12:00	0.002	0.002	0.002	ppm
12:00 - 13:00	0.002	0.002	0.002	ppm
Maximum 1 hr.	0.005	0.003	0.003	ppm
Average 24 hr.	0.003	0.002	0.002	ppm
Standard (1 hr.) <sup>1</sup>	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>2</sup>	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 Industrial Works  
(Measurement By Mr. Tummarut Thongkham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KLINSOPON)

07/12/2023

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Request No. LA66-R1215

Report No. R6612-0342 - R6612-0348

## TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ถ. สายหนองก้อ-แหลมฉิมบึง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)  
 SAMPLE POINT : วัดเขาชีธรรมนิมิต (A1)  
 PARAMETER\* : Sulfur Dioxide  
 DETERMINATION METHOD : UV-Fluorescence  
 INSTRUMENT : API Model M100E S/N 640

SAMPLE NO. : 34166-34172  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	24-25/11/2023	25-26/11/2023	26-27/11/2023	UNIT
13:00 - 14:00 <sup>13</sup>	0.002	0.002	0.002	ppm
14:00 - 15:00	0.002	0.002	0.002	ppm
15:00 - 16:00	0.002	0.002	0.002	ppm
16:00 - 17:00	0.002	0.002	0.002	ppm
17:00 - 18:00	0.002	0.002	0.002	ppm
18:00 - 19:00	0.002	0.002	0.002	ppm
19:00 - 20:00	0.002	0.002	0.002	ppm
20:00 - 21:00	0.002	0.002	0.002	ppm
21:00 - 22:00	0.002	0.002	0.002	ppm
22:00 - 23:00	0.002	0.002	0.001	ppm
23:00 - 00:00	0.002	0.002	0.001	ppm
00:00 - 01:00	0.002	0.002	0.002	ppm
01:00 - 02:00	0.002	0.002	0.002	ppm
02:00 - 03:00	0.002	0.002	0.002	ppm
03:00 - 04:00	0.002	0.002	0.002	ppm
04:00 - 05:00	0.002	0.002	0.002	ppm
05:00 - 06:00	0.002	0.002	0.002	ppm
06:00 - 07:00	0.002	0.002	0.002	ppm
07:00 - 08:00	0.002	0.002	0.002	ppm
08:00 - 09:00	0.002	0.001	0.002	ppm
09:00 - 10:00	0.002	0.001	0.002	ppm
10:00 - 11:00	0.002	0.001	0.001	ppm
11:00 - 12:00	0.002	0.001	0.002	ppm
12:00 - 13:00	0.002	0.002	0.002	ppm
Maximum 1 hr.	0.002	0.002	0.002	ppm
Average 24 hr.	0.002	0.002	0.002	ppm
Standard (1 hr.) <sup>11</sup>	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>12</sup>	0.12	0.12	0.12	ppm

REMARK : <sup>11</sup> Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)<sup>12</sup> Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)<sup>13</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarat Photanbhura)

Approved By.....

(MS. THANATPORN KLINSOPON)

07/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA66-R1215

Report No. R6612-0342 - R6612-0348

## 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 : วัดเขาชีวรรณนิมิต (A1)  
PARAMETER\* : Sulfur Dioxide  
DETERMINATION METHOD : UV-Fluorescence  
INSTRUMENT : API Model M100E S/N 640

SAMPLE NO. : 34166-34172  
SAMPLING DATE : 21-28/11/2023  
RECEIVED DATE : 28/11/2023  
REPORTED DATE : 07/12/2023

TIME / DATE	27-28/11/2023	UNIT
13:00 - 14:00 <sup>3</sup>	0.002	ppm
14:00 - 15:00	0.002	ppm
15:00 - 16:00	0.002	ppm
16:00 - 17:00	0.002	ppm
17:00 - 18:00	0.002	ppm
18:00 - 19:00	0.002	ppm
19:00 - 20:00	0.001	ppm
20:00 - 21:00	0.002	ppm
21:00 - 22:00	0.001	ppm
22:00 - 23:00	0.002	ppm
23:00 - 00:00	0.002	ppm
00:00 - 01:00	0.001	ppm
01:00 - 02:00	0.002	ppm
02:00 - 03:00	0.002	ppm
03:00 - 04:00	0.002	ppm
04:00 - 05:00	0.002	ppm
05:00 - 06:00	0.002	ppm
06:00 - 07:00	0.001	ppm
07:00 - 08:00	0.002	ppm
08:00 - 09:00	0.002	ppm
09:00 - 10:00	0.001	ppm
10:00 - 11:00	0.002	ppm
11:00 - 12:00	0.002	ppm
12:00 - 13:00	0.002	ppm
Maximum 1 hr.	0.002	ppm
Average 24 hr.	0.002	ppm
Standard (1 hr.) <sup>1</sup>	0.30	ppm
Standard (Average 24 hr.) <sup>2</sup>	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 Regulation of The Department of Industrial Works  
(Measurement By Mr. Tummalut Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
(MS. THANATPORN KLINSOPON)

07/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Request No. LA66-R1215

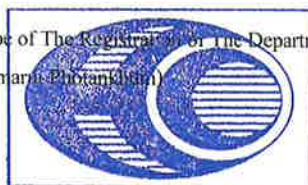
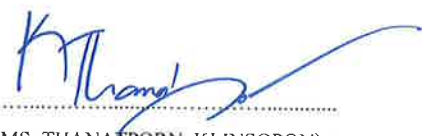
Report No. R6612-0328 - R6612-0334

## 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 T100 S/N 5701

SAMPLE NO. : 34152-34158  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	21-22/11/2023	22-23/11/2023	23-24/11/2023	UNIT
13:00 - 14:00 <sup>3</sup>	0.001	0.001	0.001	ppm
14:00 - 15:00	0.002	0.001	0.002	ppm
15:00 - 16:00	0.003	<0.001	0.004	ppm
16:00 - 17:00	0.001	0.001	0.002	ppm
17:00 - 18:00	0.003	0.003	<0.001	ppm
18:00 - 19:00	0.001	0.002	0.001	ppm
19:00 - 20:00	0.003	0.001	0.004	ppm
20:00 - 21:00	0.002	0.004	0.002	ppm
21:00 - 22:00	<0.001	0.001	<0.001	ppm
22:00 - 23:00	0.001	0.002	<0.001	ppm
23:00 - 00:00	0.001	0.002	0.002	ppm
00:00 - 01:00	0.001	0.003	0.004	ppm
01:00 - 02:00	0.002	0.005	<0.001	ppm
02:00 - 03:00	0.001	0.003	0.002	ppm
03:00 - 04:00	0.001	0.002	0.003	ppm
04:00 - 05:00	0.001	0.001	0.003	ppm
05:00 - 06:00	0.002	<0.001	0.003	ppm
06:00 - 07:00	<0.001	0.002	0.004	ppm
07:00 - 08:00	0.002	0.003	0.002	ppm
08:00 - 09:00	0.001	0.005	0.001	ppm
09:00 - 10:00	0.002	0.006	0.001	ppm
10:00 - 11:00	0.002	0.004	0.004	ppm
11:00 - 12:00	0.001	0.002	0.002	ppm
12:00 - 13:00	0.001	<0.001	0.001	ppm
Maximum 1 hr.	0.003	0.006	0.004	ppm
Average 24 hr.	0.001	0.002	0.002	ppm
Standard (1 hr.) <sup>1</sup>	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>2</sup>	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 Industrial Works  
(Measurement By Mr. Tummarat Photankham)Approved By   
(MS. THANATPORN KLINSOPON)

07/12/2023

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

COPY

Request No. LA66-R1215

Report No. R6612-0328 - R6612-0334

## TEST REPORT

CUSTOMER : บริษัท ปันทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)  
 ADDRESS : 789 ม. 1 ต. 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 T100 S/N 5701

SAMPLE NO. : 34152-34158  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	24-25/11/2023	25-26/11/2023	26-27/11/2023	UNIT
13:00 - 14:00 <sup>1/3</sup>	0.006	0.003	0.001	ppm
14:00 - 15:00	0.004	0.004	0.001	ppm
15:00 - 16:00	0.001	0.004	0.002	ppm
16:00 - 17:00	<0.001	0.003	0.001	ppm
17:00 - 18:00	0.002	0.005	0.004	ppm
18:00 - 19:00	0.003	0.004	0.003	ppm
19:00 - 20:00	<0.001	0.003	0.001	ppm
20:00 - 21:00	0.003	0.002	0.001	ppm
21:00 - 22:00	0.006	0.001	0.002	ppm
22:00 - 23:00	0.002	<0.001	0.004	ppm
23:00 - 00:00	0.006	<0.001	0.004	ppm
00:00 - 01:00	<0.001	0.001	0.005	ppm
01:00 - 02:00	0.001	0.001	0.004	ppm
02:00 - 03:00	0.001	0.002	0.002	ppm
03:00 - 04:00	0.002	0.003	0.002	ppm
04:00 - 05:00	0.003	0.001	0.002	ppm
05:00 - 06:00	0.004	<0.001	0.001	ppm
06:00 - 07:00	0.004	0.001	0.001	ppm
07:00 - 08:00	0.006	0.002	0.001	ppm
08:00 - 09:00	0.003	0.002	<0.001	ppm
09:00 - 10:00	0.005	0.001	0.001	ppm
10:00 - 11:00	0.003	0.001	<0.001	ppm
11:00 - 12:00	0.002	0.001	0.002	ppm
12:00 - 13:00	<0.001	0.001	0.003	ppm
Maximum 1 hr.	0.006	0.005	0.005	ppm
Average 24 hr.	0.003	0.002	0.002	ppm
Standard (1 hr.) <sup>1/1</sup>	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>1/2</sup>	0.12	0.12	0.12	ppm

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

07/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Request No. LA66-R1215

Report No. R6612-0328 - R6612-0334

## 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 T100 S/N 5701

SAMPLE NO. : 34152-34158  
 SAMPLING DATE : 21-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME / DATE	27-28/11/2023	UNIT
13:00 - 14:00 <sup>3</sup>	0.002	ppm
14:00 - 15:00	0.004	ppm
15:00 - 16:00	0.002	ppm
16:00 - 17:00	0.003	ppm
17:00 - 18:00	0.004	ppm
18:00 - 19:00	0.004	ppm
19:00 - 20:00	0.007	ppm
20:00 - 21:00	0.005	ppm
21:00 - 22:00	0.005	ppm
22:00 - 23:00	0.003	ppm
23:00 - 00:00	0.002	ppm
00:00 - 01:00	0.002	ppm
01:00 - 02:00	0.001	ppm
02:00 - 03:00	0.001	ppm
03:00 - 04:00	0.001	ppm
04:00 - 05:00	0.002	ppm
05:00 - 06:00	0.001	ppm
06:00 - 07:00	<0.001	ppm
07:00 - 08:00	0.002	ppm
08:00 - 09:00	0.002	ppm
09:00 - 10:00	0.002	ppm
10:00 - 11:00	0.003	ppm
11:00 - 12:00	0.003	ppm
12:00 - 13:00	0.002	ppm
Maximum 1 hr.	0.007	ppm
Average 24 hr.	0.003	ppm
Standard (1 hr.) <sup>1</sup>	0.30	ppm
Standard (Average 24 hr.) <sup>2</sup>	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 Regulations of The Department of Industrial Works

(Measurement By Mr. Tummarat Phosankham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

07/12/2023

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 WITHOUT THE WRITTEN APPROVAL LABORATORY

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## แผนผังทิศทางและความเร็วลม

Request No. LA66-R1215

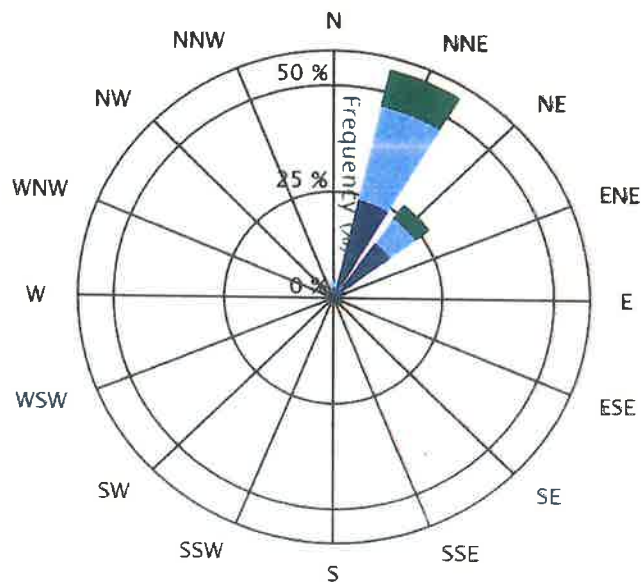
บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน) (โครงการ 2)

Sample No. 34181

จุดตรวจวัด : วัดเขาชีธรรมนิมิต (A1)

วันที่ตรวจวัด : 21-28 พฤศจิกายน 2566

Calm 6.5 %



■ 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	2.4	1.8	0.0	0.0	0.0	0.0	4.2
NNE	23.8	22.6	8.9	0.0	0.0	0.0	55.3
NE	16.1	7.1	4.2	0.0	0.0	0.0	27.4
ENE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
E	1.2	0.0	0.0	0.0	0.0	0.0	1.2
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	0.6	0.0	0.0	0.0	0.0	0.0	0.6
S	1.8	0.0	0.0	0.0	0.0	0.0	1.8
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	6.5						

COPY



## แผนผังทิศทางและความเร็วลม

Request No. LA66-R1215

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

Sample No. 34181

จุดตรวจวัด : วัดเขาชีธรรมนิมิต (A1)

วันที่ตรวจวัด : 21-28 พฤศจิกายน 2566

เวลา	21-22 พฤศจิกายน 2566		22-23 พฤศจิกายน 2566		23-24 พฤศจิกายน 2566		24-25 พฤศจิกายน 2566		25-26 พฤศจิกายน 2566		26-27 พฤศจิกายน 2566		27-28 พฤศจิกายน 2566	
	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
13:00-14:00	0.4	NE	2.7	N	4.0	NNE	3.6	NNE	4.9	NE	4.0	NE	3.6	NNE
14:00-15:00	2.2	NNE	2.2	N	3.1	NNE	4.0	NNE	3.6	NE	3.1	NE	3.6	NE
15:00-16:00	2.2	N	2.7	NNE	3.1	NNE	4.5	NNE	3.1	NE	3.1	NNE	3.6	NE
16:00-17:00	2.7	NNE	2.7	NNE	2.7	NNE	4.0	NNE	2.7	NNE	3.1	NNE	3.1	NE
17:00-18:00	2.2	NNE	2.7	NNE	2.7	NNE	4.0	NNE	1.3	NE	2.7	NE	2.7	NE
18:00-19:00	1.3	NNE	1.3	NNE	0.9	NNE	2.7	NNE	0.9	NNE	1.8	NE	1.8	NE
19:00-20:00	0.4	N	0.0	-	0.4	NNE	0.9	NNE	1.3	NE	0.9	NE	0.9	NNE
20:00-21:00	0.4	N	0.0	-	0.4	NNE	0.4	N	1.8	NE	0.9	NNE	0.0	-
21:00-22:00	0.0	-	0.0	-	0.4	NE	0.9	NNE	1.3	NNE	0.9	NE	0.4	S
22:00-23:00	0.4	NE	0.4	SSE	0.4	ENE	0.4	NNE	1.3	NNE	1.3	NE	0.4	NNE
23:00-00:00	0.9	NE	0.0	-	0.4	NE	0.4	NE	0.9	NE	0.4	S	1.8	NNE
00:00-01:00	0.4	ENE	0.4	E	0.4	ENE	2.2	NNE	1.3	NE	0.0	-	0.9	NNE
01:00-02:00	0.4	E	0.0	-	0.4	NNE	3.6	NNE	1.3	NE	0.9	NNE	1.3	NNE
02:00-03:00	0.4	ENE	0.0	-	0.9	NE	3.6	NNE	1.8	NNE	1.8	NNE	0.9	NNE
03:00-04:00	0.4	NE	0.0	-	0.4	ENE	3.1	NNE	1.8	NNE	1.3	NE	0.4	NE
04:00-05:00	0.4	NE	0.0	-	0.9	NNE	3.1	NNE	1.8	NNE	1.3	NE	0.4	S
05:00-06:00	0.4	NE	0.4	NE	1.8	NNE	3.6	NNE	2.2	NNE	1.8	NNE	0.4	NNE
06:00-07:00	0.4	NNE	0.9	NNE	1.3	NNE	4.0	NNE	1.8	NNE	2.2	NNE	1.3	NNE
07:00-08:00	0.4	NNE	0.9	NNE	1.8	NNE	4.5	NNE	1.3	NNE	3.1	NE	1.8	NNE
08:00-09:00	0.9	N	2.7	NNE	1.8	NNE	4.5	NNE	0.9	NNE	3.6	NNE	3.1	NE
09:00-10:00	2.7	NNE	3.1	NNE	2.2	NNE	4.0	NNE	3.1	NNE	4.5	NE	2.7	NNE
10:00-11:00	3.1	NNE	2.7	NNE	4.0	NNE	4.5	NNE	4.5	NNE	4.0	NE	3.1	NE
11:00-12:00	4.0	NNE	3.1	NNE	3.6	NNE	4.9	NNE	5.4	NE	4.0	NNE	1.8	NE
12:00-13:00	3.1	NNE	3.6	NNE	3.6	NNE	4.9	NE	4.0	NE	3.1	NE	0.9	NE

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## แผนผังทิศทางและความเร็วลม

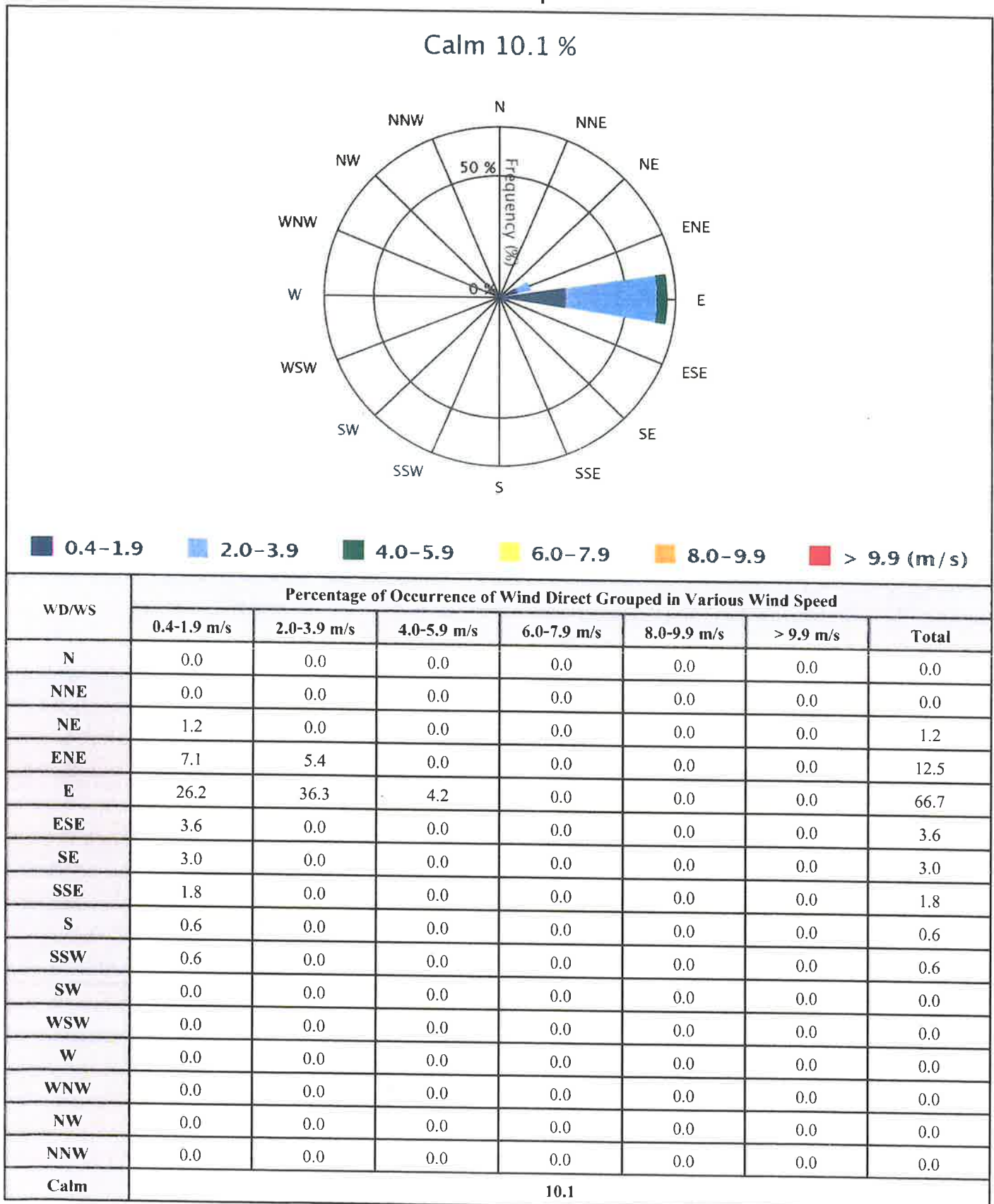
Request No. LA66-R1215

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

Sample No. 34180

จุดตรวจวัด : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)

วันที่ตรวจวัด : 21-28 พฤศจิกายน 2566



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## แผนผังทิศทางและความเร็วลม

Request No. LA66-RI215

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

Sample No. 34180

จุดตรวจวัด : พื้นที่โครงการบริเวณอาคารสำนักงาน (A2)

วันที่ตรวจวัด : 21-28 พฤศจิกายน 2566

เวลา	21-22 พฤศจิกายน 2566		22-23 พฤศจิกายน 2566		23-24 พฤศจิกายน 2566		24-25 พฤศจิกายน 2566		25-26 พฤศจิกายน 2566		26-27 พฤศจิกายน 2566		27-28 พฤศจิกายน 2566	
	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
13:00-14:00	0.4	NE	2.7	ENE	3.1	E	3.1	E	3.1	E	3.1	E	3.6	E
14:00-15:00	2.2	ENE	2.7	E	3.1	E	3.6	E	3.6	E	3.1	E	3.1	E
15:00-16:00	2.2	ENE	2.7	E	2.7	ENE	3.6	E	2.7	E	3.1	E	3.1	E
16:00-17:00	2.2	E	2.7	E	2.7	E	3.1	E	2.2	E	2.7	E	2.7	E
17:00-18:00	1.8	E	2.2	E	2.2	E	2.7	E	0.9	E	2.2	E	2.2	E
18:00-19:00	0.9	E	1.3	E	0.9	E	2.2	E	0.9	E	1.3	E	1.3	E
19:00-20:00	0.0	-	0.4	E	0.9	E	0.4	ENE	1.3	E	0.4	E	0.4	ESE
20:00-21:00	0.0	-	0.0	-	0.4	E	0.0	-	0.9	E	0.4	E	0.0	-
21:00-22:00	0.4	SSW	0.4	S	0.4	SSE	0.0	-	0.9	E	0.9	E	0.0	-
22:00-23:00	0.4	E	0.0	-	0.4	SSE	0.0	-	1.3	E	0.9	ENE	0.4	E
23:00-00:00	0.4	ESE	0.4	ESE	0.0	-	0.4	SSE	0.4	E	0.0	-	1.3	E
00:00-01:00	0.0	-	0.0	-	0.0	-	0.4	ESE	0.4	E	0.0	-	1.8	ENE
01:00-02:00	0.0	-	0.4	E	0.4	SE	1.3	ENE	0.9	E	0.9	ENE	1.8	ENE
02:00-03:00	0.0	-	0.4	ENE	0.4	E	1.3	E	2.2	E	1.8	E	1.8	E
03:00-04:00	0.4	SE	0.4	SE	0.4	ESE	1.3	E	2.2	E	1.8	E	0.9	ENE
04:00-05:00	1.3	E	0.4	E	0.4	E	2.7	E	2.2	E	1.3	ENE	0.4	NE
05:00-06:00	1.8	E	0.4	ESE	0.9	E	2.7	E	2.2	E	1.3	ENE	1.3	E
06:00-07:00	1.3	E	0.4	SE	3.1	E	2.2	E	2.7	E	1.8	ENE	1.8	ENE
07:00-08:00	0.9	E	0.4	SE	2.7	E	2.7	E	2.7	ENE	3.1	ENE	3.1	ENE
08:00-09:00	1.8	E	1.3	E	2.7	E	3.1	E	3.6	E	1.8	E	4.0	E
09:00-10:00	2.7	E	2.7	E	3.1	E	3.6	E	4.0	E	2.7	E	4.0	E
10:00-11:00	3.1	E	2.7	E	3.6	E	4.5	E	3.6	E	2.7	E	3.1	E
11:00-12:00	3.6	E	3.1	ENE	3.6	E	4.0	E	4.0	E	3.1	E	1.8	E
12:00-13:00	3.1	E	3.1	E	3.6	ENE	4.0	E	3.6	E	3.1	E	0.9	E

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## Test Report

Request No : W6607046

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6607-0978

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66070183

Sample Name : EQ Tank

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 05/07/2023 - 11/07/2023

Reported Date : 15/07/2023

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)	0.04
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020

Physical Appearance : 1. Sample : yellowish, lightly SS

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

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

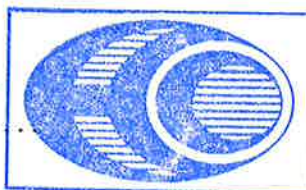
2. Sampling By Miss Janthanee Saiphan (จ-003-ค-7281)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

15/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
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## Test Report

Request No : W6607046

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6607-0978

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปันทอง โครงการ 2

Sample No : W 66070183

Sample Name : EQ Tank

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 05/07/2023 - 11/07/2023

Reported Date : 15/07/2023

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 (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 Appearance : 1. Sample : yellowish, lightly SS

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

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

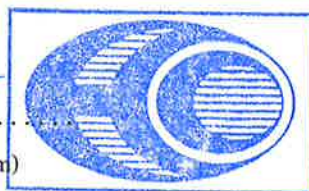
2. Sampling By Miss Janthance Saiphan (จ-003-ค-7281)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

15/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607046

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6607-0978

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66070183

Sample Name : EQ Tank

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 05/07/2023 - 11/07/2023

Reported Date : 15/07/2023

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 Appearance : 1. Sample : yellowish, lightly SS

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

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

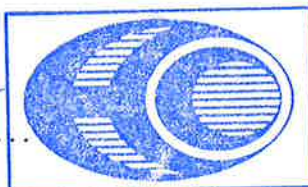
2. Sampling By Miss Janthanee Saiphan (จ-003-ค-7281)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

15/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607046

Report No : 6607-0978

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 66070183

Sample Name : EQ Tank

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 05/07/2023 - 11/07/2023

Reported Date : 15/07/2023

Parameter	Unit	Method	Result
Flow Rate	m <sup>3</sup> /day	Calculation Method	1,659
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.39
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.48
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. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

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

3. Sampling By Miss Janthanee Saiphan (จ-003-ก-7281)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

15/07/2023

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

## Test Report

Request No : W6607045

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

Report No : 6607-1017

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 66070182

Sample Name : EQ Tank\*\*

Sampling Date : 03/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 12/07/2023

Reported Date : 15/07/2023

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	18.3
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	60
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.7
Temperature *	°C	Laboratory and Field Method	32
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,096
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	27
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	15

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. # = 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.

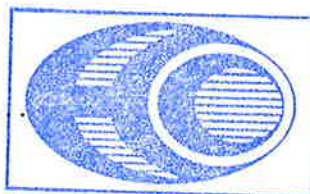
3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ค-7281) \*

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

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)

15/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)

15/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608020

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1284

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66080040

Sample Name : EQ Tank

Sampling Date : 01/08/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 02/08/2023

Tested Date : 02/08/2023 - 05/08/2023

Reported Date : 17/08/2023

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)	0.04
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03
Copper	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04
Cyanide	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020

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 1.0 L ]

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

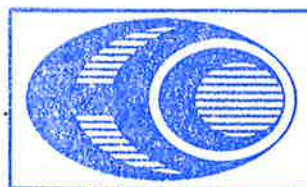
2. Sampling By Miss Janthanee Saiphan (จ-003-ค-0018)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

17/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

17/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
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## Test Report

Request No : W6608020

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1284

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66080040

Sample Name : EQ Tank

Sampling Date : 01/08/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 02/08/2023

Tested Date : 02/08/2023 - 05/08/2023

Reported Date : 17/08/2023


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 (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)	0.04

Physical Apperance : 1. Sample : yellow, lightly SS

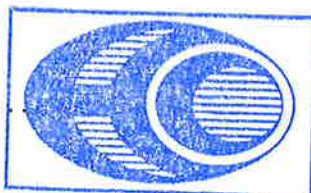
2. Container : Normal [ PE 0.5 L [ 4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

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

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

Examined By : (Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)

17/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)

17/08/2023

 REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608020

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1284

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66080040

Sample Name : EQ Tank

Sampling Date : 01/08/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 02/08/2023

Tested Date : 02/08/2023 - 05/08/2023

Reported Date : 17/08/2023

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)	0.16

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 1.0 L ]

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

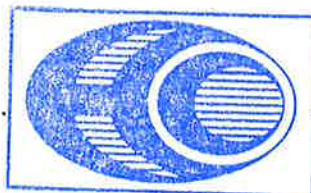
2. Sampling By Miss Janthance Saiphan (จ-003-ก-0018)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

17/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

17/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608020

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1284

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2 Sample No : W 66080040

Sample Name : EQ Tank Sampling Date : 01/08/2023

Sampling By : ETC Sampling Time : 10:20 AM

Sampling Method : Grab Received Date : 02/08/2023

Tested Date : 02/08/2023 - 05/08/2023 Reported Date : 17/08/2023

Parameter	Unit	Method	Result
Flow Rate	m <sup>3</sup> /day	Calculation Method	779.0
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.86
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.74
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

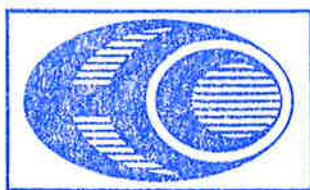
Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

3. Sampling By Miss Janthanee Saiphan



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

17/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

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

Request No : W6608020

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

Report No : 6608-1283

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 66080039

Sample Name : EQ Tank\*\*

Sampling Date : 01/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/08/2023

Tested Date : 02/08/2023 - 08/08/2023

Reported Date : 17/08/2023

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	15.9
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	82
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	8.4
Temperature *	°C	Laboratory and Field Method	31
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	880
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	31
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	20

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 1.0 L ]

Remark : 1. # = 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.

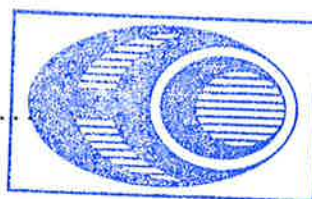
3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

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

Examined By : .....

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

17/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

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

17/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
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## Test Report

Request No : W6609020

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

Report No : 6609-1516

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66090102

Sample Name : EQ Tank\*\* Sampling Date : 01/09/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:45 AM\*\*

Sampling Method : Grab\*\* Received Date : 02/09/2023

Tested Date : 02/09/2023 - 09/09/2023 Reported Date : 22/09/2023

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 Appearance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [3 Bottle], PE 1.8 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

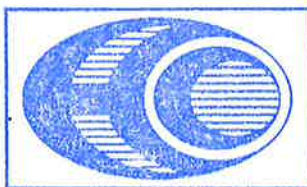
2. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

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


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

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)

22/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)

22/09/2023

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

## Test Report

Request No : W6609020

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

Report No : 6609-1516

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66090102

Sample Name : EQ Tank\*\* Sampling Date : 01/09/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:45 AM\*\*

Sampling Method : Grab\*\* Received Date : 02/09/2023

Tested Date : 02/09/2023 - 09/09/2023 Reported Date : 22/09/2023

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 : yellow, turbid

2. Container : Normal [ PE 0.5 L [3 Bottle], PE 1.8 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., 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) \*

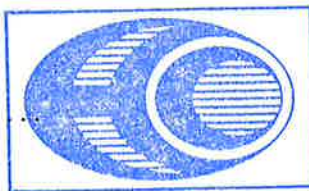
4. \*\* = These data are non laboratory data.

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

22/09/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

22/09/2023

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## Test Report

Request No : W6609020

Report No : 6609-1516

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 66090102

Sample Name : EQ Tank\*\* Sampling Date : 01/09/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:45 AM\*\*

Sampling Method : Grab\*\* Received Date : 02/09/2023

Tested Date : 02/09/2023 - 09/09/2023 Reported Date : 22/09/2023

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)	0.11

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [ PE 0.5 L [3 Bottle], PE 1.8 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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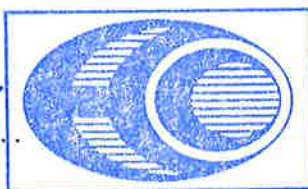
4. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

22/09/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

22/09/2023

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ACCREDITED  
ISO 9001 / ISO 14001

## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230  
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



### Test Report

Request No : W6609020

Report No : 6609-1516

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 66090102

Sample Name : EQ Tank\*\*

Sampling Date : 01/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/09/2023

Tested Date : 02/09/2023 - 09/09/2023

Reported Date : 22/09/2023

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,873
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.26
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.08
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 1.8 L ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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

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)

22/09/2023

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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. 320, E-mail: 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 : Mr. Songkarn Malaithong (๓-341-๓-0003)  
Sampling Method : GRAB  
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), EQ Tank  
Sampling Date : 01/09/23  
Sampling Time : 10.45 AM  
Sample No. : WW 1119/66  
Report No. : 660001-R0991  
Report Date : 21/09/23  
Received Date : 01/09/23  
Analytical Date : 01/09/23-19/09/23

Item / Parameter	Unit	Analytical Method <sup>®</sup>	Result	Criteria
Biochemical Oxygen Demand	mg/L	SM 4500-O G and 5210 B	18	-
Chemical Oxygen Demand	mg/L	SM 5220 D	96	-
Oil & Grease	mg/L	SM 5520 B	4.0	-
pH	-	SM 4500-H <sup>+</sup> B	7.5	-
Temperature	°C	SM 2550 B	32.9	-
Total Dissolved Solids (TDS)	mg/L	SM 2540 C	1030	-
Total Kjeldahl Nitrogen (TKN)	mg/l as NH <sub>3</sub> -N	SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C	22.3	-
Total Suspended Solids (TSS)	mg/L	SM 2540 D	25.5	-

Physical Appearance Sample: Yellow, Medium SS

Remark :

Approved by:

*P. Da.*

(Miss Panida Ruamlarp)

๓-341-๓-0002

21/09/23



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## Test Report

Request No : W6610016

Report No : 6610-1763

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 66100053

Sample Name : EQ Tank\*\* Sampling Date : 02/10/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\* Received Date : 03/10/2023

Tested Date : 03/10/2023 - 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0022
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06
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 [ 3 Bottle ] ]

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

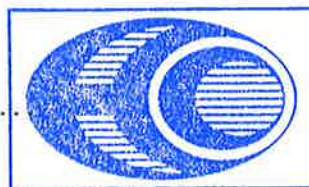
3. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ท-0018) \*

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

Examined By : 

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

25/10/2023



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Approved By : 

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

25/10/2023

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## Test Report

Request No : W6610016

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

Report No : 6610-1763

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66100053

Sample Name : EQ Tank\*\* Sampling Date : 02/10/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\* Received Date : 03/10/2023

Tested Date : 03/10/2023 - 12/10/2023 Reported Date : 25/10/2023

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)	0.04

Physical Apperance : 1. Sample : white, turbid

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

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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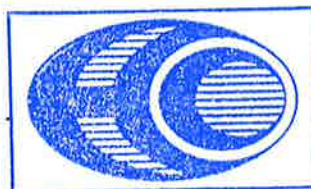
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Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

25/10/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

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## Test Report

Request No : W6610016

Report No : 6610-1763

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 66100053

Sample Name : EQ Tank\*\*

Sampling Date : 02/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

Tested Date : 03/10/2023 - 12/10/2023

Reported Date : 25/10/2023

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)	0.10

Physical Appearance : 1. Sample : white, turbid

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

25/10/2023



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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

25/10/2023

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## Test Report

Request No : W6610016

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

Report No : 6610- 1763

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66100053

Sample Name : EQ Tank\*\* Sampling Date : 02/10/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\* Received Date : 03/10/2023

Tested Date : 03/10/2023 - 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,904
Iron @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.59
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.64
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 [ 3 Bottle ] ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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

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)

25/10/2023

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789/200 Moo 1, Nong-Kham, Sracha, 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** : 02/10/23  
**Sampling Time** : 10.20 AM  
**Sample No.** : WW1277/66  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L

**Report No.** : 660001-R1135  
**Report Date** : 12/10/23  
**Received Date** : 02/10/23  
**Analytical Date** : 02/10/23–10/10/23

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)	53
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.5
Temperature	°C	Laboratory and Field Method (SM 2550 B)	29.8
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1274
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)	15.0
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	25.4

**Physical Appearance** : Yellow, Turbid**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)

7-341-P-0002

12/10/23



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## Test Report

Request No : W6611027

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

Report No : 6611-1063

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66110136

Sample Name : EQ Tank\*\* Sampling Date : 01/11/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 02/11/2023

Tested Date : 02/11/2023 - 10/11/2023 Reported Date : 15/11/2023

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0029
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 ]

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

15/11/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

15/11/2023

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## Test Report

Request No : W6611027

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

Report No : 6611-1063

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66110136

Sample Name : EQ Tank\*\* Sampling Date : 01/11/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 02/11/2023

Tested Date : 02/11/2023 - 10/11/2023 Reported Date : 15/11/2023

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)	0.09
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 ]

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

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

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

15/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

15/11/2023

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## Test Report

Request No : W6611027

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

Report No : 6611-1063

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 66110136

Sample Name : EQ Tank\*\*

Sampling Date : 01/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/11/2023


Tested Date : 02/11/2023 - 10/11/2023

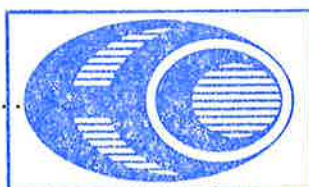
Reported Date : 15/11/2023

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 ]

Remark : 1. @ = ISO/IEC 17025:2017 Accredited by TISI., 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-ค-0018) \*  
4. \*\* = These data are non laboratory data.

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
15/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
15/11/2023

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ACCREDITED  
ISO 9001 / ISO 14001

## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230

Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025  
TESTING 1712

### Test Report

Request No : W6611027

Report No : 6611- 1063

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 66110136

Sample Name : EQ Tank\*\* Sampling Date : 01/11/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 02/11/2023

Tested Date : 02/11/2023 - 10/11/2023 Reported Date : 15/11/2023

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,598
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.28
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.83
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 ]

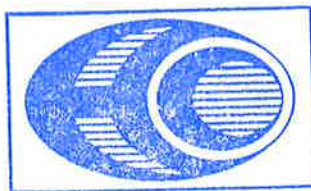
Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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)

15/11/2023

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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. 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** : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), EQ Tank  
**Sampling Date** : 01/11/66 **Report No.** : 660001-R1301  
**Sampling Time** : 10.30 AM **Report Date** : 13/11/66  
**Sample No.** : WW 1457/66 **Received Date** : 01/11/66  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 01/11/66-10/11/66

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	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤750
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤10
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.9	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.1	≤45
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1226	≤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)	18.8	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	11.3	≤200

**Physical Appearance** : Yellow, Turbid, Lightly SS**Remark** : <sup>1/</sup> Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).<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)

๓-341-๓-0002

13/11/23

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## Test Report

Request No : W6612025

Report No : 6612-0819

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

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมน้ำป่อง โครงการ 2\*\*

Sample No : W 66120128

Sample Name : EQ Tank\*\*

Sampling Date : 01/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/12/2023

Tested Date : 04/12/2023 - 13/12/2023

Reported Date : 19/12/2023

Parameter	Unit	Method	Result
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0023
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 [ 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-ก-0018) \*

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

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
19/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
19/12/2023

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## Test Report

Request No : W6612025

Report No : 6612-0819

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 66120128

Sample Name : EQ Tank\*\* Sampling Date : 01/12/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 02/12/2023

Tested Date : 04/12/2023 - 13/12/2023 Reported Date : 19/12/2023

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)	0.08
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 [ 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-ท-0007)

19/12/2023



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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

19/12/2023

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## Test Report

Request No : W 6612025

Report No : 6612-0819

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 66120128

Sample Name : EQ Tank\*\*

Sampling Date : 01/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/12/2023

Tested Date : 04/12/2023 - 13/12/2023

Reported Date : 19/12/2023

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)	0.10

Physical Appearance : 1. Sample : yellowish, 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)

19/12/2023



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Approved By : .....

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

19/12/2023

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## Test Report

Request No : W6612025

Report No : 6612-0819

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 66120128

Sample Name : EQ Tank\*\* Sampling Date : 01/12/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 02/12/2023

Tested Date : 04/12/2023 - 13/12/2023 Reported Date : 19/12/2023

Parameter	Unit	Method	Result
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,587
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.30
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	8.11
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05

Physical Appearance : 1. Sample : yellowish, 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 \*

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Examined By : .....

(Miss Nunnaphat Bakhuntod)

19/12/2023

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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. 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** : 01/12/66 **Report No.** : 660001-R1683  
**Sampling Time** : 11.00 AM **Report Date** : 15/12/66  
**Sample No.** : WW 1871/66 **Received Date** : 01/12/66  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 01/12/66-13/12/66

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)	57
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	88
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	3.6
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.7
Temperature	°C	Laboratory and Field Method (SM 2550 B)	31.7
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1158
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)	28.6
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	19.0

**Physical Appearance** : Yellow, Turbid**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

15/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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## Test Report

Request No : W6607133

Report No : 6607-1965

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 66070510

Sample Name : Polishing Pond (Effluent)

Sampling Date : 05/07/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 06/07/2023

Tested Date : 07/07/2023 - 25/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic	ng/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium	ng/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Cadmium	ng/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper	ng/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 : yellow, lightly SS

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

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, 23rd Edition, 2017

3. Sampling By Miss Janthanee Saiphan (จ-003-ค-7281)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

25/07/2023

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## Test Report

Request No : W6607133

Report No : 6607-1965

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 66070510

Sample Name : Polishing Pond (Effluent)

Sampling Date : 05/07/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 06/07/2023

Tested Date : 07/07/2023 - 25/07/2023

Reported Date : 25/07/2023

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 (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤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 : yellow, lightly SS

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

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, 23rd Edition, 2017

3. Sampling By Miss Janthanee Saiphan (จ-003-ก-7281)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

25/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607133

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6607-1965

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66070510

Sample Name : Polishing Pond (Effluent)

Sampling Date : 05/07/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 06/07/2023

Tested Date : 07/07/2023 - 25/07/2023

Reported Date : 25/07/2023

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 : yellow, lightly SS

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

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, 23rd Edition, 2017

3. Sampling By Miss Janthancee Saiphan (จ-003-ก-7281)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

25/07/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY



## Test Report

Request No : W6607133

Report No : 6607-1965

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 66070510

Sample Name : Polishing Pond (Effluent)

Sampling Date : 05/07/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 06/07/2023

Tested Date : 07/07/2023 - 25/07/2023

Reported Date : 25/07/2023

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)	2.08	-
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Appearance : 1. Sample : yellow, lightly SS

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

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, 23rd Edition, 2017

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

4. Sampling By Miss Janthanae Saiphan (จ-003-ค-7281)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

25/07/2023

## Test Report

Request No : W6607133

Report No : 6607-1964

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 66070509

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

Sampling Date : 05/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/07/2023

Tested Date : 07/07/2023 - 18/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.6	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,172	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	15	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	< 5	≤50

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L, PE 1.0 L, PE 1.8 L, G 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 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.

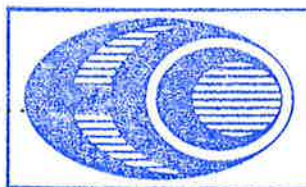
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ก-7281) \*

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

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ก-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)

25/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608066

Report No : 6608-1119

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 66080242

Sample Name : Polishing Pond (Effluent)

Sampling Date : 03/08/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 04/08/2023

Tested Date : 08/08/2023 - 14/08/2023

Reported Date : 15/08/2023

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 : yellow, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle], PE 1.0 L, PE 1.8 L, G 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, 23rd Edition, 2017

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

15/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

15/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608066

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1119

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66080242

Sample Name : Polishing Pond (Effluent)

Sampling Date : 03/08/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 04/08/2023

Tested Date : 08/08/2023 - 14/08/2023

Reported Date : 15/08/2023

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 (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 : yellow, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle], PE 1.0 L, PE 1.8 L, G 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, 23rd Edition, 2017

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

15/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

15/08/2023

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## Test Report

Request No : W6608066

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1119

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66080242

Sample Name : Polishing Pond (Effluent)

Sampling Date : 03/08/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 04/08/2023

Tested Date : 08/08/2023 - 14/08/2023

Reported Date : 15/08/2023

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 : yellow, lightly SS

2. Container : Normal [ PE 0.5 L [ 4 Bottle], PE 1.0 L, PE 1.8 L, G 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, 23rd Edition, 2017

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

Examined By :

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

15/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

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

15/08/2023

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## Test Report

Request No : W6608066

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608 -1119

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2

Sample No : W 66080242

Sample Name : Polishing Pond (Effluent)

Sampling Date : 03/08/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 04/08/2023

Tested Date : 08/08/2023 - 14/08/2023

Reported Date : 15/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	-
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.20	-
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 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 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, 23rd Edition, 2017

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

4. Sampling By Miss Janthanee Saiphan



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

15/08/2023

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## Test Report

Request No : W6608066

Report No : 6608-1120

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 66080243

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

Sampling Date : 03/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/08/2023


Tested Date : 04/08/2023 - 11/08/2023

Reported Date : 15/08/2023


Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.7	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,044	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	22	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	5	≤50

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 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 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-0005)  
15/08/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-0007)  
15/08/2023

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ISO 9001 / ISO 14001

## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230

Tel: 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025

TESTING 1712

### Test Report

Request No : W6609073

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

Report No : 6609-1510

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 66090266

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

Sampling Date : 04/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 06/09/2023 - 14/09/2023

Reported Date : 22/09/2023

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, turbid

2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.8 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., 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) \*

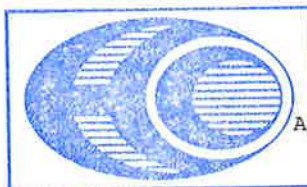
5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

22/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

22/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230  
Tel: 0-3848-1197-8, 0-3876-3031-2 Fax: 0-3848-2095 E-mail: marketing@etc1992.com



NSC-TISI-TIS 17025  
TESTING 1712

### Test Report

Request No : W6609073

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

Report No : 6609-1510

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66090266

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 04/09/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 05/09/2023

Tested Date : 06/09/2023 - 14/09/2023 Reported Date : 22/09/2023

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 : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.8 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., 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) \*

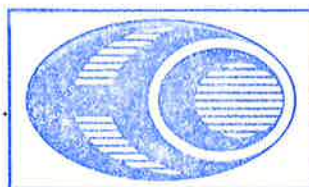
5. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

22/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

22/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230  
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025  
TESTING 1712

### Test Report

Request No : W6609073

Report No : 6609-1510

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 66090266

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

Sampling Date : 04/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 06/09/2023 - 14/09/2023

Reported Date : 22/09/2023

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)	0.05	≤5

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.8 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., 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)

22/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

22/09/2023

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

## Test Report

Request No : W6609073

Report No : 6609-1510

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 66090266

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 04/09/2023\*\*

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

Sampling Method : Grab\*\* Received Date : 05/09/2023

Tested Date : 06/09/2023 - 14/09/2023 Reported Date : 22/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron <sup>@</sup>	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.30	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.53	-
Silver <sup>@</sup>	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Appearance : 1. Sample : yellowish, turbid

2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.8 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)

22/09/2023

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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. 320, E-mail: 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 : Miss. Nawarat Jittiruangkit (๓-341-๓-0002)  
Sampling Method : GRAB  
Sampling Name : ระบบบำบัดน้ำเสียนิคมปันทอง โครงการ 2 (Polishing Pond)  
Sampling Date : 04/09/23  
Sampling Time : 10.10 AM  
Sample No. : WW 1150/66  
Report No. : 660001-R1020  
Report Date : 21/09/23  
Received Date : 04/09/23  
Analytical Date : 04/09/23-19/09/23

Item / Parameter	Unit	Analytical Method <sup>®</sup>	Result	Criteria
Biochemical Oxygen Demand	mg/L	SM 4500-O G and 5210 B	6	≤20
Chemical Oxygen Demand	mg/L	SM 5220 D	<40	≤120
Oil & Grease	mg/L	SM 5520 B	<3	≤5
pH	-	SM 4500-H <sup>+</sup> B	7.6	5.5-9.0
Temperature	°C	SM 2550 B	32.1	≤40
Total Dissolved Solids (TDS)	mg/L	SM 2540 C	958	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH <sub>3</sub> -N	SM 4500-N <sub>org</sub> B and 4500-NH <sub>3</sub> C	12.9	≤100
Total Suspended Solids (TSS)	mg/L	SM 2540 D	5.4	≤50

Physical Appearance Sample: Yellow turbid, Medium SS

Remark :

Approved by:

*P. Da.*

(Miss Panida Ruamlarp)

๓-341-๓-0002

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapiarn 8 Rd., Nongkham, Sriracha, Chonburi 20230

Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025  
TESTING 1712

### Test Report

Request No : W6610112

Report No : 6610-1758

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 66100451

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 04/10/2023\*\*

Sampling By : ETC\*\* Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/10/2023

Tested Date : 06/10/2023 - 20/10/2023 Reported Date : 25/10/2023

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 : 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., 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)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

25/10/2023

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## Test Report

Request No : W6610112

Report No : 6610-1758

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 66100451

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

Sampling Date : 04/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/10/2023

Tested Date : 06/10/2023 - 20/10/2023

Reported Date : 25/10/2023

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)	0.06	≤ 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\* [ 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., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

25/10/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

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NSC-TISI-TIS 17025  
TESTING 1712

### Test Report

Request No : W6610112

Report No : 6610-1758

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 66100451

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 04/10/2023\*\*

Sampling By : ETC\*\* Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/10/2023

Tested Date : 06/10/2023 - 20/10/2023 Reported Date : 25/10/2023

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\* [ 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., 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-ค-0007)

25/10/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

25/10/2023

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## Test Report

Request No : W6610112

Report No : 6610-1758

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 66100451

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 04/10/2023\*\*

Sampling By : ETC\*\* Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\* Received Date : 05/10/2023

Tested Date : 06/10/2023 - 20/10/2023 Reported Date : 25/10/2023

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)	1.69	-
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Appearance : 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)

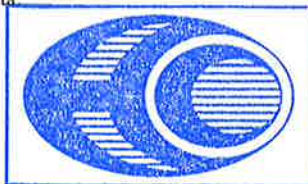
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = 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 \*

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Examined By : 

(Miss Nunnaphat Bakhuntod)

25/10/2023

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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. 2-341

**TEST REPORT**

**Customer Name** : Pinthong Industrial Park Public Co., Ltd  
**Address** : 789 Moo 1, Nong Koh-Laern 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** : 04/10/23 **Report No.** : 660001-R1163  
**Sampling Time** : 9.30 AM **Report Date** : 12/10/23  
**Sample No.** : WW1307/66 **Received Date** : 04/10/23  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L **Analytical Date** : 04/10/23-10/10/23

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
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	<5
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.1	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	29.4	<40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1032	<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	<50

**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 :

(Miss Panida Ruamlarp)

2-341-P-0002

12/10/23



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## Test Report

Request No : W6611099

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

Report No : 6611-1072

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 66110475

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

Sampling Date : 03/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/11/2023

Tested Date : 07/11/2023 - 11/11/2023

Reported Date : 15/11/2023

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 : lightly SS

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

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

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 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)

15/11/2023



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Approved By : .....

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

15/11/2023

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## Test Report

Request No : W6611099

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

Report No : 6611-1072

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

Sampling Source : ระบบบำบัดน้ำเสียชนิดบึงทอง โครงการ 2\*\*

Sample No : W 66110475

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

Sampling Date : 03/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/11/2023

Tested Date : 07/11/2023 - 11/11/2023

Reported Date : 15/11/2023

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 : lightly SS

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

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)

15/11/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

15/11/2023

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## Test Report

Request No : W6611099

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

Report No : 6611-1072

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

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\* Sample No : W 66110475

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 03/11/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\* Received Date : 04/11/2023

Tested Date : 07/11/2023 - 11/11/2023 Reported Date : 15/11/2023

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 ] ]

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

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

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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)

15/11/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

15/11/2023

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## Test Report

Request No : W6611099

Report No : 6611- 1072

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 66110475

Sample Name : Polishing Pond (Effluent)\*\* Sampling Date : 03/11/2023\*\*

Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\* Received Date : 04/11/2023

Tested Date : 07/11/2023 - 11/11/2023 Reported Date : 15/11/2023

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)	2.53	-
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 ] ]

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)

15/11/2023

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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), Polishing Pond  
**Sampling Date** : 03/11/66 **Report No.** : 660001-R1352  
**Sampling Time** : 09.45 AM **Report Date** : 13/11/66  
**Sample No.** : WW 1512/66 **Received Date** : 03/11/66  
**Container of Sample** : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 03/11/66-10/11/66

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
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)	29.6	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1020	≤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)	6.0	≤50

**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.

(Miss Panida Ruamrarp)

3-341-P-0002

13/11/23

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## Test Report

Request No : W6612089

Report No : 6612-1125

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 66120374

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

Sampling Date : 04/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 07/12/2023 - 18/12/2023

Reported Date : 21/12/2023

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, lightly SS

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

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)

21/12/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

21/12/2023

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## Test Report

Request No : W6612089

Report No : 6612-1125

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 66120374

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

Sampling Date : 04/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023


Tested Date : 07/12/2023 - 18/12/2023

Reported Date : 21/12/2023

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)	0.11	≤ 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 : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 3 Bottle ] ]

- 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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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)  
21/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
21/12/2023

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## Test Report

Request No : W6612089

Report No : 6612-1125

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 66120374

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

Sampling Date : 04/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 07/12/2023 - 18/12/2023

Reported Date : 21/12/2023

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 ] ]

- 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)  
21/12/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
21/12/2023

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## Test Report

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

Request No : W6612089

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

Report No : 6612-1125

Sampling Source : ระบบบำบัดน้ำเสียนิคมปิ่นทอง โครงการ 2\*\*

Sample No : W 66120374

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

Sampling Date : 04/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 07/12/2023 - 18/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Iron <sup>@</sup>	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-
Phosphorus *	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.56	-
Silver <sup>@</sup>	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 ] ]

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.



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Examined By : 

(Miss Nunnaphat Bakhuntod)  
21/12/2023

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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 : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 2), Polishing Pond  
Sampling Date : 04/12/66 Report No. : 660001-R1686  
Sampling Time : 10.15 AM Report Date : 15/12/66  
Sample No. : WW 1874/66 Received Date : 04/12/66  
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L Analytical Date : 04/12/66-13/12/66

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
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H <sup>+</sup> B)	7.3	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.0	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	1148	≤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)	3.7	≤50

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 :

(Miss Panida Ruamlarp)

2-341-A-0002

15/12/23



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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 66081466  
Sample Name : คลองห้วยใหญ่จตุรระบายน้ำทั้งโครงการ (SW1)\*\* Sampling Date : 18/08/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 19/08/2023  
Tested Date : 19/08/2023 – 28/08/2023 Reported Date : 06/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0029	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.1	≤ 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	not available	-
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. # = 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 Mr Parkpoom Buasawad\*  
9. \*\* = These data are non laboratory data.



Examined By.....  
(Miss Nunnaphat Bakhuntod)

06/09/2023

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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 66081466  
Sample Name : คลองห้วยใหญ่จุระบาบน้ำทิ้งโครงการ (SW1)\*\* Sampling Date : 18/08/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 19/08/2023  
Tested Date : 19/08/2023 – 28/08/2023 Reported Date : 06/09/2023

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)	0.18	≤ 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	7.4	5.0-9.0
Temperature *	°C	Laboratory and Field Method	32	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 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 Mr. Parkpoom Buasawad\*
  9. \*\* = These data are non laboratory data.



Examined By.....

( Miss Nunnaphat Bakhuntod )

06/09/2023

REPORTED TESTS LIMITED 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 66081467  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)### Sampling Date : 18/08/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:10 AM\*\*  
Sampling Method : Grab\*\* Received Date : 19/08/2023  
Tested Date : 19/08/2023 – 28/08/2023 Reported Date : 06/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0196	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.0	≤ 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)	0.001	≤ 0.005
Flow Rate *	m <sup>3</sup> /day	Calculation Method	5,897	-
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. # = 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 Mr. Parkpoom Buasawad\*  
9. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2) / \*\*=These data are non laboratory data.



Examined By.....  
( Miss Nunnaphat Bakhuntod)

06/09/2023

REPORTED BY: [Signature] SUBMITTED BY: [Signature]  
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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 66081467  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)### Sampling Date : 18/08/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:10 AM\*\*  
Sampling Method : Grab\*\* Received Date : 19/08/2023  
Tested Date : 19/08/2023 – 28/08/2023 Reported Date : 06/09/2023

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	7.3	5.0-9.0
Temperature *	°C	Laboratory and Field Method	32	๓ **
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 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. # = 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 Mr. Parkpoom Buasawad\*  
9. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2) / \*\*=These data are non laboratory data.



Examined By.....

( Miss Nunnaphat Bakhuntod )

06/09/2023

REPORTED BY: REFER TO SUBMITTED SAMPLES ONLY

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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 66081468  
Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)###\*\* Sampling Date : 18/08/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:00 AM\*\*  
Sampling Method : Grab\*\* Received Date : 19/08/2023  
Tested Date : 19/08/2023 ~ 28/08/2023 Reported Date : 06/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0169	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.1	≤ 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	1,201	-
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. # = 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. 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 Mr. Parkpoom Buasawad\*  
9. ## จุดบรรจบระหว่างคลองห้วยใหญ่กับคลองหนองปรือ (SW3) \*\* = These data are non laboratory data.



Examined By.....  
( Miss Nunnaphat Bakhuntod)

06/09/2023

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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 66081468  
Sample Name : จุดบรจประหว่งคลองห้วยใหญ่ (SW3)###\*\* Sampling Date : 18/08/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:00 AM\*\*  
Sampling Method : Grab\*\* Received Date : 19/08/2023  
Tested Date : 19/08/2023 – 28/08/2023 Reported Date : 06/09/2023

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)	0.47	≤ 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	7.4	5.0-9.0
Temperature *	°C	Laboratory and Field Method	30	๓ **
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 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. # = 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  $\text{CaCO}_3$  ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร  
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ  $\text{CaCO}_3$  เกินกว่า 100 มิลลิกรัมต่อลิตร
  8. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad\*
  9. ## จุดบรจประหว่งคลองห้วยใหญ่กับคลองหนองปรือ (SW3)/\* = These data are non laboratory data.



Examined By.....

( Miss Nunnaphat Bakhuntod )

06/09/2023

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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 66111163  
Sample Name : คลองห้วยใหญ่ดูระบายน้ำทิ้งโครงการ (SW1)\*\* Sampling Date : 10/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 8:45 AM\*\*  
Sampling Method : Grab\*\* Received Date : 11/11/2023  
Tested Date : 11/11/2023 – 18/11/2023 Reported Date : 22/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0032	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.7	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	92,000	-
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)	0.002	≤ 0.005
Flow Rate *	m <sup>3</sup> /day	Calculation Method	1,710	-
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. @ = 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. \*\* = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

22/11/2023

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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 66111163  
Sample Name : คลองห้วยใหญ่จู่ระบายน้ำทิ้งโครงการ (SW1)\*\* Sampling Date : 10/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 8:45 AM\*\*  
Sampling Method : Grab\*\* Received Date : 11/11/2023  
Tested Date : 11/11/2023 – 18/11/2023 Reported Date : 22/11/2023

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)	0.19	≤ 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	30	† **
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 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. @ = 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 Viriyakul \*

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



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Examined By.....

( Miss Nunnaphat Bakhuntod )

22/11/2023

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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 66111164  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)###\*\* Sampling Date : 10/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:35 AM\*\*  
Sampling Method : Grab\*\* Received Date : 11/11/2023  
Tested Date : 11/11/2023 – 18/11/2023 Reported Date : 22/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0143	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.0	≤ 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)	0.002	≤ 0.005
Flow Rate *	m <sup>3</sup> /day	Calculation Method	6,359	-
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  
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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. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2) / \*\*=These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

( Miss Nunnaphat Bakhuntod )

22/11/2023

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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 66111164  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้ง (SW2)###\*\* Sampling Date : 10/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:35 AM\*\*  
Sampling Method : Grab\*\* Received Date : 11/11/2023  
Tested Date : 11/11/2023 – 18/11/2023 Reported Date : 22/11/2023

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)	1.22	≤ 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	7.0	5.0-9.0
Temperature *	°C	Laboratory and Field Method	32	๓ **
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 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  
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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. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการประมาณ 2 กม. (SW2) / \*\*=These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

22/11/2023

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 66111165  
Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)##\*\* Sampling Date : 10/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*  
Sampling Method : Grab\*\* Received Date : 11/11/2023  
Tested Date : 11/11/2023 – 18/11/2023 Reported Date : 22/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous, Hydride Generation / AAS Method (SM:3114B)	0.0082	≤ 0.01
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.7	≤ 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	8,170	-
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. @ = 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. \*\* = 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. ## จุดบรรจบระหว่างคลองห้วยใหญ่กับคลองหนองน้ำ (SW3)/\*\* These data are non laboratory data.



Examined By.....  
( Miss Nunnaphat Bakhuntod )

22/11/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
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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 66111165  
Sample Name : จุดบรรจบระหว่างคลองห้วยใหญ่ (SW3)### Sampling Date : 10/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 10:20 AM\*\*  
Sampling Method : Grab\*\* Received Date : 11/11/2023  
Tested Date : 11/11/2023 – 18/11/2023 Reported Date : 22/11/2023

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)	0.72	≤ 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	32	๓ **
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 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)

22/11/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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## Test Report

Request No : W6605497

Report No : 6606-0179-1

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 66051761

Sample Name : คลองห้วยใหญ่ ระบายน้ำทิ้งโครงการ

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 29/05/2023 - 31/05/2023

Reported Date : 24/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤10
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤1
Chromium (Cr)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≤43.4
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	1.44	≤36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	24.1	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤0.2
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	2.78	≤23

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

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

2. Sampling By Mr. Songpon Phiwan (ว-003-ก-7279)

Examined By : (Miss Apiradee Chuen-arom)  
(ว-003-ก-4377)  
24/07/2023Approved By : (Miss Nunnaphat Bakhuntod)  
(ว-003-ก-4367)  
24/07/2023

REPORTED TEST RESULTS ARE FOR SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6605497

Report No : 6606-0179-I

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 66051761

Sample Name : คลองห้วยใหญ่ กระจายน้ำทิ้งโครงการ

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 29/05/2023 - 31/05/2023

Reported Date : 24/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	49.6	≤120

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

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

2. Sampling By Mr. Songpon Phiwuan (ว-003-ก-7279)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ก-4377)

24/07/2023

SUPPLEMENT TO TEST REPORT NO. 6606-0179



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-4367)

24/07/2023

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## Test Report

Request No : W6605497

Report No : 6606-0179-1

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 66051761

Sample Name : กลองห้วยใหญ่จตุรภายน้ำทิ้งโครงการ

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 29/05/2023 - 31/05/2023

Reported Date : 24/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	1.10	≤31.5

Physical Appearance : 1. Sample : brown, 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 (7-003-ก-7279)

SUPPLEMENT TO TEST REPORT NO. 6606-0179



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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# บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

683 หมู่ 11 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230  
โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095  
เว็บไซต์ : <http://www.etc1992.com> อี-เมล : [info@etc1992.com](mailto:info@etc1992.com)



# EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230  
Tel. 0-3848-1197, 0-3876-3031-2 Fax : 0-3848-2095  
Website : <http://www.etc1992.com> E-mail : [info@etc1992.com](mailto:info@etc1992.com)

## Test Report

Request No : W6605497

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6606-0180

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

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 66051762

Sample Name : คลองห้วยใหญ่กระจายน้ำทิ้งโครงการ

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 30/05/2023 - 31/05/2023

Reported Date : 05/06/2023

Parameter	Unit	Method	Result
Arsenic	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.10
Cadmium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.02
Chromium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.03
Lead	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.04
Manganese	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	3.03

Physical Apperance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. Sampling By Mr. Songpon Phiwan (1-003-ค-7279)

Examined By

(Miss Apiradee Chuen-arom)

(1-003-ค-4377)

05/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Nunnaphat Bakhuntod)

(1-003-ค-4367)

05/06/2023

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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 : Pinthong Industrial Park (Project 2)

Sample No : W 66051762

Sample Name : คลองห้วยใหญ่จุดระบายน้ำทิ้งโครงการ

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 30/05/2023 - 31/05/2023

Reported Date : 05/06/2023

Parameter	Unit	Method	Result
Mercury	mg/L	Waste Extraction,Digestion,Cold - Vapor Atomic Absorption Spectrometric	< 0.0010
Nickel	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.24
Selenium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.10
Zinc	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	4.91

Physical Apperance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. Sampling By Mr. Songpon Phiwan (7-003-ค-7279)

Examined By : 

(Miss Apiradee Chuen-arom)

(7-003-ค-4377)

05/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(7-003-ค-4367)

05/06/2023

REPORTED TEST 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 : Pinthong Industrial Park (Project 2)

Sample Name : คลองห้วยใหญ่จตุรระบายน้ำทั้งโครงการ

Sampling By : ETC

Sampling Method : Grab

Tested Date : 30/05/2023 - 31/05/2023

Request No : W6605497

Report No : 6606-0180

Sample No : W 66051762

Sampling Date : 19/05/2023

Sampling Time : 10:35 AM

Received Date : 20/05/2023

Reported Date : 05/06/2023

Parameter	Unit	Method	Result
Copper	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.04

Physical Apperance : 1. Sample : brown, soil

2. Container : Bag

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

2. Sampling By Mr. Songpon Phiwan (จ-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
05/06/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6605497

Report No : 6606-0181-I

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 66051763

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 29/05/2023 - 31/05/2023

Reported Date : 24/07/2023

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 10
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤ 1
Chromium (Cr)	mg/kg	Digestion, Inductively Coupled Plasma	3.80	≤ 43.4
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	1.83	≤ 36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	55.9	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤ 0.2
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	1.20	≤ 23

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

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

2. Sampling By Mr. Songpon Phiwuan (ว-003-ก-7279)

3. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

Examined By : (Miss Apiradee Chuen-arom)  
(ว-003-ก-4377)  
24/07/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)  
(ว-003-ก-4367)  
24/07/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6605497

Report No : 6606-0181-I

Customer : Pinthong Industrial Park Public Company Limited

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

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 66051763

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 29/05/2023 - 31/05/2023

Reported Date : 24/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	16.1	≤ 120

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

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

2. Sampling By Mr. Songpon Phiwuan (1-003-ก-7279)

3. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

Examined By :   
(Miss Apiradee Chuen-arom)  
(1-003-ก-4377)  
24/07/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(1-003-ก-4367)  
24/07/2023

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## Test Report

Request No : W6605497

Report No : 6606-0181-1

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 66051763

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 29/05/2023 - 31/05/2023

Reported Date : 24/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	2.76	<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 Phiwan (1-003-ก-7279)

4. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

SUPPLEMENT TO TEST REPORT NO. 6606-0181



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/07/2023

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

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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 : Pinthong Industrial Park (Project 2)  
Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 30/05/2023 - 31/05/2023

Request No : W6605497  
Report No : 6606-0182  
Sample No : W 66051764  
Sampling Date : 19/05/2023  
Sampling Time : 10:15 AM  
Received Date : 20/05/2023  
Reported Date : 05/06/2023

Parameter	Unit	Method	Result
Arsenic	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.10
Cadmium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.02
Chromium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.12
Lead	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.04
Manganese	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	1.78

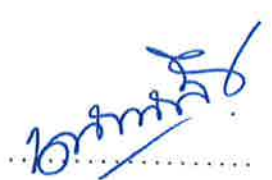
Physical Apperance : 1. Sample : gray, soil  
2. Container : Bag

Remark : 1. Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)  
2. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-4377)  
05/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-4367)  
05/06/2023

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

## Test Report

Request No : W6605497

Report No : 6606-0182

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 66051764

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทั้งโครงการ##

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 30/05/2023 - 31/05/2023

Reported Date : 05/06/2023

Parameter	Unit	Method	Result
Mercury	mg/L	Waste Extraction,Digestion,Cold - Vapor Atomic Absorption Spectrometric	< 0.0010
Nickel	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.02
Selenium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.10
Zinc	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.60

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1. Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)

2. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทั้งโครงการ ประมาณ 2 กม.

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

05/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

05/06/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6605497

Report No : 6606-0182

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 66051764

Sample Name : คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ##

Sampling Date : 19/05/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 20/05/2023

Tested Date : 30/05/2023 - 31/05/2023

Reported Date : 05/06/2023

Parameter	Unit	Method	Result
Copper	mg/L	Waste Extraction, Digestion, Inductively Coupled Plasma	0.04

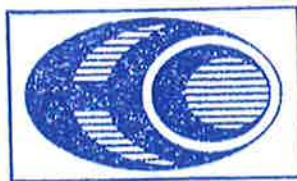
Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

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

2. Sampling By Mr. Songpon Phiwan (ว-003-ก-7279)

3. ## คลองห้วยใหญ่ห่างจากจุดระบายน้ำทิ้งโครงการ ประมาณ 2 กม.



บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/06/2023

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

Page 1 of 1

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**TEST REPORT**

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)\*\*  
ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-มหลอมบัง ค. 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.,  $L_{90}$  &  $L_{dn}$   
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N G301039 : Class 2

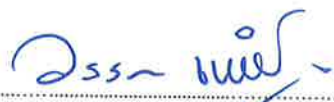
SAMPLE NO. : 34146  
MEASURING DATE : 25-26/11/2023  
RECEIVED DATE : 28/11/2023  
REPORTED DATE : 07/12/2023

TIME \ DATE	25-26/11/2023 ( $L_{eq}$ )	25-26/11/2023 ( $L_{90}$ )	UNIT
11:00 - 12:00 <sup>13</sup>	52.8	48.0	dB(A)
12:00 - 13:00	50.5	46.0	dB(A)
13:00 - 14:00	50.6	46.4	dB(A)
14:00 - 15:00	49.3	45.7	dB(A)
15:00 - 16:00	49.5	44.7	dB(A)
16:00 - 17:00	49.1	44.1	dB(A)
17:00 - 18:00	48.1	44.8	dB(A)
18:00 - 19:00	50.9	49.5	dB(A)
19:00 - 20:00	50.8	49.8	dB(A)
20:00 - 21:00	49.6	48.6	dB(A)
21:00 - 22:00	49.4	47.5	dB(A)
22:00 - 23:00	49.7	48.9	dB(A)
23:00 - 00:00	51.3	49.4	dB(A)
00:00 - 01:00	49.6	48.2	dB(A)
01:00 - 02:00	53.1	51.6	dB(A)
02:00 - 03:00	54.9	54.3	dB(A)
03:00 - 04:00	54.5	53.4	dB(A)
04:00 - 05:00	55.3	54.3	dB(A)
05:00 - 06:00	56.3	55.5	dB(A)
06:00 - 07:00	54.2	51.8	dB(A)
07:00 - 08:00	53.4	48.7	dB(A)
08:00 - 09:00	54.6	48.0	dB(A)
09:00 - 10:00	52.9	50.2	dB(A)
10:00 - 11:00	50.5	46.9	dB(A)
$L_{eq}$ 24 hr.	52.3	-	dB(A)
$L_{dn}$	59.9	-	dB(A)
Standard	70 <sup>11</sup> , 70 <sup>12</sup>	-	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance. Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>11</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>12</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>13</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Photankhum)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By:   
(MRS. WANPEN LHAOCHINDAWAT)  
07/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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TEST REPORT

CUSTOMER : บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)\*\*  
ADDRESS : 789 ม. 1 ถ. สายหนองค้อ-แหลมจบบึง 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.,  $L_{90\#}$  &  $L_{dn\#}$   
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N G301039 : Class 2

SAMPLE NO. : 34147  
MEASURING DATE : 26-27/11/2023  
RECEIVED DATE : 28/11/2023  
REPORTED DATE : 07/12/2023

TIME \ DATE	26-27/11/2023 ( $L_{eq}$ )	26-27/11/2023 ( $L_{90\#}$ )	UNIT
11:00 - 12:00 <sup>1/3</sup>	52.1	46.8	dB(A)
12:00 - 13:00	49.8	45.6	dB(A)
13:00 - 14:00	49.4	45.0	dB(A)
14:00 - 15:00	49.0	45.1	dB(A)
15:00 - 16:00	52.2	48.2	dB(A)
16:00 - 17:00	49.7	45.8	dB(A)
17:00 - 18:00	51.7	45.2	dB(A)
18:00 - 19:00	53.1	51.6	dB(A)
19:00 - 20:00	55.5	53.4	dB(A)
20:00 - 21:00	52.4	51.6	dB(A)
21:00 - 22:00	51.3	50.4	dB(A)
22:00 - 23:00	55.0	48.8	dB(A)
23:00 - 00:00	54.9	50.0	dB(A)
00:00 - 01:00	55.5	53.5	dB(A)
01:00 - 02:00	58.0	57.0	dB(A)
02:00 - 03:00	61.8	60.8	dB(A)
03:00 - 04:00	57.0	55.3	dB(A)
04:00 - 05:00	52.3	50.6	dB(A)
05:00 - 06:00	54.3	53.2	dB(A)
06:00 - 07:00	54.3	52.8	dB(A)
07:00 - 08:00	57.0	53.2	dB(A)
08:00 - 09:00	59.1	53.9	dB(A)
09:00 - 10:00	56.1	53.0	dB(A)
10:00 - 11:00	56.3	53.5	dB(A)
$L_{eq}$ 24 hr.	55.3	-	dB(A)
$L_{dn\#}$	62.9	-	dB(A)
Standard	70 <sup>1/1</sup> , 70 <sup>2/2</sup>	-	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>1/1</sup> Notification 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.  
(Ms. Thanaporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Photankhun)  
\*\* These Data are Non Laboratory Data



Approved By   
(MRS. WANPEN LHAOCHINDAWAT)

07/12/2023

บริษัท อีทีซีคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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TEST REPORT

CUSTOMER	: บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)**	SAMPLE NO.	: 34148
ADDRESS	: 789 ม. 1 ถ. สายหนองค้อ-แหลมฉบัง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230**	MEASURING DATE	: 27-28/11/2023
SAMPLE SOURCE	: ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)**	RECEIVED DATE	: 28/11/2023
SAMPLE POINT	: โรงเรียนบ้านวังค้อ**	REPORTED DATE	: 07/12/2023
PARAMETER*	: $L_{eq}$ 1 hr., $L_{eq}$ 24 hr., $L_{90\#}$ & $L_{dn}\#$		
DETERMINATION METHOD	: ISO 1996-1:2016##		
INSTRUMENT	: Integrated Sound Level Meter		
	: S/N G301039 : Class 2		

TIME \ DATE	27-28/11/2023 ( $L_{eq}$ )	27-28/11/2023 ( $L_{90\#}$ )	UNIT
11:00 - 12:00 <sup>/3</sup>	55.2	52.1	dB(A)
12:00 - 13:00	56.7	52.2	dB(A)
13:00 - 14:00	52.8	49.9	dB(A)
14:00 - 15:00	54.1	48.7	dB(A)
15:00 - 16:00	53.1	48.6	dB(A)
16:00 - 17:00	49.3	46.0	dB(A)
17:00 - 18:00	48.3	45.2	dB(A)
18:00 - 19:00	55.8	54.7	dB(A)
19:00 - 20:00	57.8	57.1	dB(A)
20:00 - 21:00	56.2	51.8	dB(A)
21:00 - 22:00	51.8	50.6	dB(A)
22:00 - 23:00	54.7	53.7	dB(A)
23:00 - 00:00	55.4	54.4	dB(A)
00:00 - 01:00	53.6	51.9	dB(A)
01:00 - 02:00	50.3	49.1	dB(A)
02:00 - 03:00	51.4	50.4	dB(A)
03:00 - 04:00	52.0	50.4	dB(A)
04:00 - 05:00	54.0	53.2	dB(A)
05:00 - 06:00	55.7	54.9	dB(A)
06:00 - 07:00	52.5	50.5	dB(A)
07:00 - 08:00	60.0	52.6	dB(A)
08:00 - 09:00	62.7	51.2	dB(A)
09:00 - 10:00	50.9	47.7	dB(A)
10:00 - 11:00	53.1	49.1	dB(A)
$L_{eq}$ 24 hr.	55.5	-	dB(A)
$L_{dn}\#$	60.5	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2553, Dated December 20, 2010

<sup>/1</sup> Notification 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.  
(Ms. Thanatporn Klinsoon is Section Head, Ms. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Photankhum)

\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

07/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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**TEST REPORT**

CUSTOMER	: บริษัท ปิ่นทอง อินดัสเตรียล ปาร์ค จำกัด (มหาชน)**	SAMPLE NO.	: 34149
ADDRESS	: 789 ม. 1 ถ. สายหนองค้อ-แหลมปลั่ง ต. หนองขาม อ. ศรีราชา จ. ชลบุรี 20230**	MEASURING DATE	: 25-26/11/2023
SAMPLE SOURCE	: ปิ่นทอง อินดัสเตรียล ปาร์ค (โครงการ 2)**	RECEIVED DATE	: 28/11/2023
SAMPLE POINT	: วัดเขาชีวรรณนิมิต**	REPORTED DATE	: 07/12/2023
PARAMETER*	: $L_{eq}$ 1 hr., $L_{eq}$ 24 hr., $L_{90\#}$ & $L_{dn}\#$		
DETERMINATION METHOD	: ISO 1996-1:2016##		
INSTRUMENT	: Integrated Sound Level Meter S/N G301013 : Class 2		

TIME \ DATE	25-26/11/2023 ( $L_{eq}$ )	25-26/11/2023 ( $L_{90\#}$ )	UNIT
11:00 - 12:00 <sup>73</sup>	58.2	55.7	dB(A)
12:00 - 13:00	57.4	54.3	dB(A)
13:00 - 14:00	56.4	53.4	dB(A)
14:00 - 15:00	57.7	53.8	dB(A)
15:00 - 16:00	58.1	54.0	dB(A)
16:00 - 17:00	56.5	53.2	dB(A)
17:00 - 18:00	56.1	53.9	dB(A)
18:00 - 19:00	55.4	52.4	dB(A)
19:00 - 20:00	55.1	51.9	dB(A)
20:00 - 21:00	54.3	51.2	dB(A)
21:00 - 22:00	54.2	49.8	dB(A)
22:00 - 23:00	52.3	48.7	dB(A)
23:00 - 00:00	52.3	47.3	dB(A)
00:00 - 01:00	50.6	47.1	dB(A)
01:00 - 02:00	50.3	45.9	dB(A)
02:00 - 03:00	50.6	45.8	dB(A)
03:00 - 04:00	51.2	46.4	dB(A)
04:00 - 05:00	53.3	48.2	dB(A)
05:00 - 06:00	53.6	49.7	dB(A)
06:00 - 07:00	55.3	52.4	dB(A)
07:00 - 08:00	55.6	52.4	dB(A)
08:00 - 09:00	56.5	53.9	dB(A)
09:00 - 10:00	57.8	54.4	dB(A)
10:00 - 11:00	57.4	54.6	dB(A)
$L_{eq}$ 24 hr.	55.5	-	dB(A)
$L_{dn}\#$	59.8	-	dB(A)
Standard	70 <sup>71</sup> , 70 <sup>72</sup>	-	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>71</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>72</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>73</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsoopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Photankhum)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)  
07/12/2023

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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 : วัดเขาชีชมรมนิมิต\*\*  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90}$ # &  $L_{dn}$ #  
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N G301013 : Class 2

SAMPLE NO. : 34150  
MEASURING DATE : 26-27/11/2023  
RECEIVED DATE : 28/11/2023  
REPORTED DATE : 07/12/2023

TIME \ DATE	26-27/11/2023 ( $L_{eq}$ )	26-27/11/2023 ( $L_{90}$ #)	UNIT
11:00 - 12:00 <sup>/3</sup>	56.8	53.6	dB(A)
12:00 - 13:00	56.1	53.1	dB(A)
13:00 - 14:00	56.2	52.0	dB(A)
14:00 - 15:00	56.8	52.8	dB(A)
15:00 - 16:00	57.0	52.7	dB(A)
16:00 - 17:00	55.8	52.1	dB(A)
17:00 - 18:00	55.7	52.5	dB(A)
18:00 - 19:00	55.0	51.6	dB(A)
19:00 - 20:00	54.4	52.0	dB(A)
20:00 - 21:00	53.9	50.5	dB(A)
21:00 - 22:00	52.3	49.5	dB(A)
22:00 - 23:00	51.6	48.3	dB(A)
23:00 - 00:00	50.7	47.4	dB(A)
00:00 - 01:00	49.9	46.1	dB(A)
01:00 - 02:00	49.3	45.1	dB(A)
02:00 - 03:00	49.1	44.5	dB(A)
03:00 - 04:00	50.9	45.1	dB(A)
04:00 - 05:00	54.1	48.2	dB(A)
05:00 - 06:00	53.7	50.6	dB(A)
06:00 - 07:00	57.0	54.2	dB(A)
07:00 - 08:00	58.7	56.3	dB(A)
08:00 - 09:00	57.8	55.1	dB(A)
09:00 - 10:00	58.1	55.4	dB(A)
10:00 - 11:00	57.7	54.9	dB(A)
$L_{eq}$ 24 hr.	55.4	-	dB(A)
$L_{dn}$ #	59.8	-	dB(A)
Standard	70 <sup>/1</sup> , 70 <sup>/2</sup>	-	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
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<sup>/1</sup> Notification 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.  
(Ms. Thanaporn Klinsoopon is Section Head, Ms. Wannop Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Photankhum)  
\*\* These Data are Non Laboratory Data



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Approved By

(MRS. WANPEN LHAOCHINDAWAT)

07/12/2023

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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 : วัดเขาชีธรรมนิมิต\*\*  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr.,  $L_{90\#}$  &  $L_{dn}\#$   
 DETERMINATION METHOD : ISO 1996-1:2016##  
 INSTRUMENT : Integrated Sound Level Meter  
 S/N G301013 : Class 2

SAMPLE NO. : 34151  
 MEASURING DATE : 27-28/11/2023  
 RECEIVED DATE : 28/11/2023  
 REPORTED DATE : 07/12/2023

TIME \ DATE	27-28/11/2023 ( $L_{eq}$ )	27-28/11/2023 ( $L_{90\#}$ )	UNIT
11:00 - 12:00 <sup>1/3</sup>	57.6	54.8	dB(A)
12:00 - 13:00	58.6	55.7	dB(A)
13:00 - 14:00	57.6	54.3	dB(A)
14:00 - 15:00	58.3	54.8	dB(A)
15:00 - 16:00	58.6	55.2	dB(A)
16:00 - 17:00	57.2	54.5	dB(A)
17:00 - 18:00	56.1	53.8	dB(A)
18:00 - 19:00	55.4	52.8	dB(A)
19:00 - 20:00	56.7	53.7	dB(A)
20:00 - 21:00	55.8	53.3	dB(A)
21:00 - 22:00	56.1	53.6	dB(A)
22:00 - 23:00	55.4	52.6	dB(A)
23:00 - 00:00	53.6	49.9	dB(A)
00:00 - 01:00	53.7	49.4	dB(A)
01:00 - 02:00	52.0	47.9	dB(A)
02:00 - 03:00	51.3	47.3	dB(A)
03:00 - 04:00	52.5	47.7	dB(A)
04:00 - 05:00	56.0	49.0	dB(A)
05:00 - 06:00	54.2	50.7	dB(A)
06:00 - 07:00	56.9	54.3	dB(A)
07:00 - 08:00	60.2	57.1	dB(A)
08:00 - 09:00	58.9	56.5	dB(A)
09:00 - 10:00	58.5	55.6	dB(A)
10:00 - 11:00	57.7	54.8	dB(A)
$L_{eq}$ 24 hr.	56.8	-	dB(A)
$L_{dn}\#$	61.4	-	dB(A)
Standard	$70^{1/1} - 70^{2/2}$	-	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
 ## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
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 Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
 From Factory B.E. 2553, Dated December 20, 2010  
<sup>1/1</sup> Notification 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.  
 (Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
 (Measurement By Mr. Tummarut Photankum)  
 \*\* These Data are Non Laboratory Data



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Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

07/12/2023

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## Test Report

Request No : W6611555

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6612-0011

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

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 66111822

Sample Name : กากตะกอนจากกระบวนการผลิตน้ำประปา

Sampling Date : 22/11/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 23/11/2023

Tested Date : 25/11/2023 - 27/11/2023

Reported Date : 01/12/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≥ 100
Chromium (Cr)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≥ 2500
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≥ 1000
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≥ 20

Physical Appearance : 1. Sample : black, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005), regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(TTLC : Total Threshold Limit Concentration )

2. Sampling By Mr. Supharker Pl atklang (ว-003-ค-0031)

Examined By :

(Miss Apiradee Chuen-ar am)

(ว-003-ค-0007)

01/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

01/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611555

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6612-0012

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

Sampling Source : Pinthong Industrial Park (Project 2)

Sample No : W 66111823

Sample Name : กากตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 22/11/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 23/11/2023

Tested Date : 29/11/2023 - 30/11/2023

Reported Date : 01/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Cadmium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.02	≥1
Chromium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.03	≥5
Lead	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.02	≥5
Mercury	mg/L	Waste Extraction,Digestion,Cold - Vapor Atomic Absorption Spectrometric	< 0.0010	≥0.2

Physical Apperance : 1. Sample : black, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005) , regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(STLC : Soluble Threshold Limit Concentration)

2. Sampling By Mr. Supharerk Phatklang (ว-003-ค-0031)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

01/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

01/12/2023

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