

## ภาคผนวก

- ภาคผนวกที่ 1 ผลการตรวจติดตามคุณภาพสิ่งแวดล้อม
- ภาคผนวกที่ 2 หนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน และใบอนุญาตเป็นผู้ให้บริการตรวจวัดและวิเคราะห์ระดับความเข้มข้นของสารเคมีอันตรายในบรรยากาศของสถานที่ทำงานและสถานที่เก็บรักษาสารเคมีอันตราย ระดับความร้อน แสงสว่าง และเสียง จากกรมสวัสดิการและคุ้มครองแรงงาน
- ภาคผนวกที่ 3 ใบรับรองความสามารถห้องปฏิบัติการวิเคราะห์
- ภาคผนวกที่ 4 สรุปรายการทดสอบเทียบอุปกรณ์เครื่องมือ
- ภาคผนวกที่ 5 เอกสาร Detection Limit ของรายการทดสอบต่างๆ
- ภาคผนวกที่ 6 ผลการพิจารณารายงานการประเมินผลกระทบสิ่งแวดล้อมของโครงการ
- ภาคผนวกที่ 7 ข้อมูลอัตราการระบายมลพิษจากโรงงานรายโรง และตัวอย่างผลตรวจวัดด้านสิ่งแวดล้อมของโรงงานภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 8 ศูนย์เฝ้าระวังและควบคุมคุณภาพสิ่งแวดล้อม  
(Environmental Monitoring and Control Center : EMC<sup>2</sup>)
- ภาคผนวกที่ 9 การจัดตั้งคณะกรรมการพัฒนาชุมชนโดยรอบนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 10 แผนการดูแลพื้นที่สีเขียว
- ภาคผนวกที่ 11 กฎระเบียบ ข้อบังคับในการใช้รถภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 12 แผนการรับเรื่องร้องเรียนปัญหาด้านสิ่งแวดล้อม  
และบันทึกการรับเรื่องร้องเรียน / ข้อเสนอแนะปัญหาด้านสิ่งแวดล้อม
- ภาคผนวกที่ 13 รายชื่อโรงงานภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 14 รายชื่อโรงงานที่จัดทำรายงาน Monitor EIA ในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 15 แบบฟอร์มสอบถามข้อมูลพื้นฐานด้านสิ่งแวดล้อม
- ภาคผนวกที่ 16 ประกาศการนิคมฯ ที่ 79/2549 เรื่องการกำหนดอัตราการปล่อยมลสารทางอากาศจากปล่องของโรงงานในนิคมอุตสาหกรรม (แก้ไขเพิ่มเติม)
- ภาคผนวกที่ 17 ประกาศการนิคมฯ ที่ 79/2554 เรื่อง วิธีปฏิบัติเกี่ยวกับการจัดการกากอุตสาหกรรมมูลฝอยและสิ่งปฏิกูลที่เกิดขึ้นในนิคมอุตสาหกรรม
- ภาคผนวกที่ 18 ประกาศการนิคมอุตสาหกรรมแห่งประเทศไทยที่ 76/2560 เรื่อง กำหนดมาตรฐานทั่วไปในการระบายน้ำเสียลงสู่ระบบบำบัดน้ำเสียส่วนกลางในนิคมอุตสาหกรรม
- ภาคผนวกที่ 19 สรุปผลการตรวจวัดด้านอาชีวอนามัยและความปลอดภัยของโรงงานต่างๆภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 20 ข้อมูลอัตรามลพิษทางอากาศของบริษัท โฟสโค โค้ทเต้ต สตีล (ประเทศไทย) จำกัด และบริษัท ไตก อลูมิเนียม อินดัสทรี (ประเทศไทย) จำกัด
- ภาคผนวกที่ 21 การจัดทำโปรแกรมสำเร็จรูป Emission Inventory

## ภาคผนวก (ต่อ)

- |            |    |   |
|------------|----|---|
| ภาคผนวกที่ | 22 | ตัวอย่างรายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศแบบต่อเนื่อง<br>นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ประจำปีธันวาคม 2566  |
| ภาคผนวกที่ | 23 | สรุปปริมาณการใช้น้ำประปาภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง  |
| ภาคผนวกที่ | 24 | สรุปปริมาณน้ำเสียภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง<br>และผลการตรวจวัดคุณภาพน้ำแบบต่อเนื่อง (Online)  |
| ภาคผนวกที่ | 25 | ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้งของโรงงาน<br>ภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง  |
| ภาคผนวกที่ | 26 | จดหมายแจ้งเตือนโรงงาน   |
| ภาคผนวกที่ | 27 | อัตราค่าบริการน้ำประปา และค่าบริการบำบัดน้ำเสีย   |
| ภาคผนวกที่ | 28 | สถิติการนำน้ำทิ้งกลับมาใช้ประโยชน์  |
| ภาคผนวกที่ | 29 | แผน PM ระบบบำบัดน้ำเสีย   |
| ภาคผนวกที่ | 30 | เอกสารการขึ้นทะเบียนผู้ควบคุมระบบบำบัดกับกรมโรงงานอุตสาหกรรม  |
| ภาคผนวกที่ | 31 | รูปการขุดลอกตะกอนในรางระบายน้ำฝน  |
| ภาคผนวกที่ | 32 | สรุปปริมาณขยะมูลฝอยทั่วไป และเอกสารการส่งของเสียไปกำจัดของโรงงาน<br>ภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง  |
| ภาคผนวกที่ | 33 | กิจกรรมการประกวด Amata Best Waste Management Awards   |
| ภาคผนวกที่ | 34 | ผลวิเคราะห์กากตะกอน ประจำปี 2566  |
| ภาคผนวกที่ | 35 | เอกสารแต่งตั้งคณะกรรมการชุมชนสัมพันธ์<br>และกิจกรรมมวลชนสัมพันธ์ของโครงการ ประจำปี 2566   |
| ภาคผนวกที่ | 36 | สรุปผลการสำรวจทัศนคติชุมชน ประจำปี 2566   |
| ภาคผนวกที่ | 37 | แผนปฏิบัติการควบคุมภาวะฉุกเฉินนิคมอุตสาหกรรมอมตะซิตี้ ระยอง<br>และเอกสาร/ภาพการฝึกซ้อมกรณีเกิดสารเคมีรั่วไหล และเหตุเพลิงไหม้<br>นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ประจำปี 2566 |
| ภาคผนวกที่ | 38 | แผนฉุกเฉินของโรงงานภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง /<br>ภาพการซ้อมดับเพลิงของโรงงานภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง  |
| ภาคผนวกที่ | 39 | รายงานสถิติอุบัติเหตุจากการจราจรภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง<br>เอกสารการแต่งตั้งประธาน และรายงานการประชุมคณะกรรมการ<br>แก้ไขปัญหาจราจรอมตะซิตี้ ระยอง                |
| ภาคผนวกที่ | 40 | รายชื่อสารเคมีในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง   |
| ภาคผนวกที่ | 41 | ผลการตรวจสุขภาพพนักงานของโรงงานภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง   |
| ภาคผนวกที่ | 42 | หมายเลขโทรศัพท์ฉุกเฉิน ของหน่วยงานท้องถิ่น  |
| ภาคผนวกที่ | 43 | ข้อมูลสารสนเทศทางด้านภูมิศาสตร์ (GIS)   |

## ภาคผนวก (ต่อ)

- ภาคผนวกที่ 44 สถิติการเกิดกระแสไฟฟ้าขัดข้อง
- ภาคผนวกที่ 45 แผนหลัก (Master Plan)
- ภาคผนวกที่ 46 รายงานสถิติอุบัติเหตุของโรงงานภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง
- ภาคผนวกที่ 47 ตัวอย่างจดหมายการนำส่งรายงานฯ ต่อหน่วยงานอนุญาต และหน่วยงานราชการที่เกี่ยวข้องของโรงงานภายในนิคมฯ อมตะซิตี้ ระยอง
- ภาคผนวกที่ 48 ข้อมูลทางด้านสาธารณสุข ประจำปี 2566
- ภาคผนวกที่ 49 ภาพการประชุมของคณะกรรมการกำกับดูแลการปฏิบัติงานด้านสิ่งแวดล้อมผ่านโครงการธงขาวดาวเขียว และการประชุม EIA Monitoring
- ภาคผนวกที่ 50 เอกสารเปลี่ยนชื่อโครงการ
- ภาคผนวกที่ 51 รายงานการติดตั้งบ่อสังเกตการณ์ตรวจสอบคุณภาพน้ำใต้ดินบริเวณพื้นที่สีเขียวภายในนิคมอุตสาหกรรมอมตะซิตี้ ระยอง และผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดินบริเวณพื้นที่สีเขียว ประจำเดือนกรกฎาคม-ธันวาคม 2566
- ภาคผนวกที่ 52 หนังสือตอบรับการส่งรายงานการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม และมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม ประจำเดือนมกราคม-มิถุนายน 2566

ภาคผนวกที่ 1

ผลการตรวจติดตามคุณภาพสิ่งแวดล้อม



Request No. ATR6612017

Report No. 6612-0455 - 6612-0457

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : บ้านวังตาลหมอน (A1)  
RECEIVED DATE : 13/12/2023 SAMPLE NO. : A66120455 - A66120457  
TESTED DATE : 13/12/2023-21/12/2023 REPORTED DATE : 21/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	08-09/12/2023	0.093	0.33	mg/m <sup>3</sup>
		09-10/12/2023	0.101	0.33	mg/m <sup>3</sup>
		10-11/12/2023	0.072	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 Thanaporn Klinsohon)

21/12/2023

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# บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

683 หมู่ 11 ต.สุขาภิบาล 8 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)

Request No. ATR6612042

Report No. 6612-0981 - 6612-0984

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : บ้านวังตาลหมอน (A1)  
RECEIVED DATE : 22/12/2023 SAMPLE NO. : A66120981 - A66120984  
TESTED DATE : 22/12/2023-26/12/2023 REPORTED DATE : 26/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	11-12/12/2023	0.104	0.33	mg/m <sup>3</sup>
		12-13/12/2023	0.112	0.33	mg/m <sup>3</sup>
		13-14/12/2023	0.061	0.33	mg/m <sup>3</sup>
		14-15/12/2023	0.089	0.33	mg/m <sup>3</sup>

### REMARK:

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

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

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsopon)

26/12/2023

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Request No. ATR6612017

Report No. 6612-0452 - 6612-0454

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : บ้านวังตาลหมอน (A1)  
RECEIVED DATE : 13/12/2023 SAMPLE NO. : A66120452 - A66120454  
TESTED DATE : 13/12/2023-21/12/2023 REPORTED DATE : 21/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	08-09/12/2023	0.063	0.12	mg/m <sup>3</sup>
		09-10/12/2023	0.077	0.12	mg/m <sup>3</sup>
		10-11/12/2023	0.064	0.12	mg/m <sup>3</sup>

### REMARK:

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

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

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsopon)

21/12/2023

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Request No. ATR6612042

Report No. 6612-0977 - 6612-0980

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : บ้านวังตาลหมอน (A1)  
RECEIVED DATE : 22/12/2023 SAMPLE NO. : A66120977 - A66120980  
TESTED DATE : 22/12/2023-26/12/2023 REPORTED DATE : 26/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	11-12/12/2023	0.068	0.12	mg/m <sup>3</sup>
		12-13/12/2023	0.087	0.12	mg/m <sup>3</sup>
		13-14/12/2023	0.047	0.12	mg/m <sup>3</sup>
		14-15/12/2023	0.069	0.12	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)

26/12/2023

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Request No. ATR6612017

Report No. 6612-0467 - 6612-0469

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : วัดราษฎร์อัสตาราม (A2)  
RECEIVED DATE : 13/12/2023  
TESTED DATE : 13/12/2023-21/12/2023  
SAMPLE NO. : A66120467 - A66120469  
REPORTED DATE : 21/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	08-09/12/2023	0.096	0.33	mg/m <sup>3</sup>
		09-10/12/2023	0.115	0.33	mg/m <sup>3</sup>
		10-11/12/2023	0.107	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 Klinsonon)

21/12/2023

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Request No. ATR6612042

Report No. 6612-0997 - 6612-1000

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : วัดราษฎร์ศุภคาราม (A2)  
RECEIVED DATE : 22/12/2023  
TESTED DATE : 22/12/2023-26/12/2023  
SAMPLE NO. : A66120997 - A66121000  
REPORTED DATE : 26/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	11-12/12/2023	0.095	0.33	mg/m <sup>3</sup>
		12-13/12/2023	0.100	0.33	mg/m <sup>3</sup>
		13-14/12/2023	0.062	0.33	mg/m <sup>3</sup>
		14-15/12/2023	0.087	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)

26/12/2023

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Request No. ATR6612017

Report No. 6612-0464 - 6612-0466

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
 SAMPLE NAME : วัดราษฎร์อัสตาราม (A2)  
 RECEIVED DATE : 13/12/2023 SAMPLE NO. : A66120464 - A66120466  
 TESTED DATE : 13/12/2023-21/12/2023 REPORTED DATE : 21/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	08-09/12/2023	0.061	0.12	mg/m <sup>3</sup>
		09-10/12/2023	0.078	0.12	mg/m <sup>3</sup>
		10-11/12/2023	0.075	0.12	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 Klinsonpon)

21/12/2023

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Request No. ATR6612042

Report No. 6612-0993 - 6612-0996

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
 SAMPLE NAME : วัดราษฎร์อัสคาราม (A2)  
 RECEIVED DATE : 22/12/2023 SAMPLE NO. : A66120993 - A66120996  
 TESTED DATE : 22/12/2023-26/12/2023 REPORTED DATE : 26/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	11-12/12/2023	0.068	0.12	mg/m <sup>3</sup>
		12-13/12/2023	0.083	0.12	mg/m <sup>3</sup>
		13-14/12/2023	0.040	0.12	mg/m <sup>3</sup>
		14-15/12/2023	0.046	0.12	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)

26/12/2023

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Request No. ATR6612017

Report No. 6612-0461 - 6612-0463

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด

ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230

SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด

SAMPLE NAME : โรงเรียนบ้านภูไทร (A3)

RECEIVED DATE : 13/12/2023 SAMPLE NO. : A66120461 - A66120463

TESTED DATE : 13/12/2023-21/12/2023 REPORTED DATE : 21/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	08-09/12/2023	0.176	0.33	mg/m <sup>3</sup>
		09-10/12/2023	0.171	0.33	mg/m <sup>3</sup>
		10-11/12/2023	0.236	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)

21/12/2023

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Request No. ATR6612042

Report No. 6612-0989 - 6612-0992

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : โรงเรียนบ้านภูไท (A3)  
RECEIVED DATE : 22/12/2023  
TESTED DATE : 22/12/2023-26/12/2023  
SAMPLE NO. : A66120989 - A66120992  
REPORTED DATE : 26/12/2023

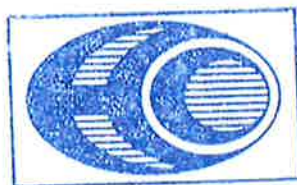
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	11-12/12/2023	0.200	0.33	mg/m <sup>3</sup>
		12-13/12/2023	0.175	0.33	mg/m <sup>3</sup>
		13-14/12/2023	0.129	0.33	mg/m <sup>3</sup>
		14-15/12/2023	0.125	0.33	mg/m <sup>3</sup>

### 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 Klinsopton)

26/12/2023

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Request No. ATR6612017

Report No. 6612-0458 - 6612-0460

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : โรงเรียนบ้านภูไทร (A3)  
RECEIVED DATE : 13/12/2023  
TESTED DATE : 13/12/2023-21/12/2023  
SAMPLE NO. : A66120458 - A66120460  
REPORTED DATE : 21/12/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	08-09/12/2023	0.100	0.12	mg/m <sup>3</sup>
		09-10/12/2023	0.097	0.12	mg/m <sup>3</sup>
		10-11/12/2023	0.110	0.12	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 Klinson)

21/12/2023

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Request No. ATR6612042

Report No. 6612-0985 - 6612-0988

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
SAMPLE NAME : โรงเรียนบ้านภูไทร (A3)  
RECEIVED DATE : 22/12/2023 SAMPLE NO. : A66120985 - A66120988  
TESTED DATE : 22/12/2023-26/12/2023 REPORTED DATE : 26/12/2023

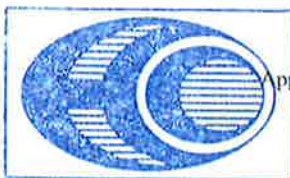
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	11-12/12/2023	0.105	0.12	mg/m <sup>3</sup>
		12-13/12/2023	0.100	0.12	mg/m <sup>3</sup>
		13-14/12/2023	0.077	0.12	mg/m <sup>3</sup>
		14-15/12/2023	0.099	0.12	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 Klinsonon)

26/12/2023

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Request No. LA66-R1242

Report No. R6612-1238 - R6612-1244

## TEST REPORT

CUSTOMER	บริษัท อมตะซิตี้ ระยอง จำกัด	SAMPLE NO.	35102-35108
ADDRESS	7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	08-15/12/2023
SAMPLE SOURCE	บริษัท อมตะซิตี้ ระยอง จำกัด	RECEIVED DATE	16/12/2023
SAMPLE POINT	บ้านวังตาลหม่อน (A1)	REPORTED DATE	22/12/2023
PARAMETER*	Temperature		
DETERMINATION METHOD	Thermometer Sensor		
INSTRUMENT	Weather Meter, Model Vantage PRO2 : 6152CM S/N BF201105024		

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	27.0	28.2	27.5	°C
11:00 - 12:00	26.4	31.1	31.2	°C
12:00 - 13:00	32.7	33.3	34.6	°C
13:00 - 14:00	34.9	34.6	36.8	°C
14:00 - 15:00	36.9	37.6	38.8	°C
15:00 - 16:00	38.0	37.1	39.0	°C
16:00 - 17:00	37.4	36.2	38.4	°C
17:00 - 18:00	36.1	35.4	35.2	°C
18:00 - 19:00	35.4	33.9	33.5	°C
19:00 - 20:00	32.4	31.6	31.7	°C
20:00 - 21:00	30.5	30.0	30.0	°C
21:00 - 22:00	29.1	28.7	28.8	°C
22:00 - 23:00	28.2	28.0	28.1	°C
23:00 - 00:00	27.8	27.5	27.4	°C
00:00 - 01:00	27.4	27.2	26.9	°C
01:00 - 02:00	26.7	26.7	26.7	°C
02:00 - 03:00	26.5	26.2	26.3	°C
03:00 - 04:00	26.2	25.9	25.9	°C
04:00 - 05:00	25.9	25.6	25.5	°C
05:00 - 06:00	25.4	25.1	25.2	°C
06:00 - 07:00	25.2	25.1	25.0	°C
07:00 - 08:00	24.9	25.0	24.8	°C
08:00 - 09:00	24.8	24.8	24.9	°C
09:00 - 10:00	25.7	25.5	26.2	°C
Min - Max	24.8 - 38	24.8 - 37.6	24.8 - 39	°C
Average 24 hr.	29.6	29.6	29.9	°C

REMARK : <sup>1)</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarul Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By

(MS. THIANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1238 - R6612-1244

## TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35102-35108
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อําเภอสรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: บ้านวังศาลหม่อม (A1)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Temperature		
DETERMINATION METHOD	: Thermometer Sensor		
INSTRUMENT	: Weather Meter, Model Vantage PRO2 : 6152CM		
	S/N BF201105024		

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	28.6	27.9	28.7	°C
11:00 - 12:00	31.6	31.3	31.8	°C
12:00 - 13:00	34.4	34.2	34.2	°C
13:00 - 14:00	35.8	36.1	36.5	°C
14:00 - 15:00	38.3	38.5	38.6	°C
15:00 - 16:00	39.3	38.9	39.2	°C
16:00 - 17:00	38.3	39.6	38.6	°C
17:00 - 18:00	34.8	38.4	37.7	°C
18:00 - 19:00	32.6	35.1	36.1	°C
19:00 - 20:00	31.1	32.2	33.3	°C
20:00 - 21:00	29.7	30.4	31.4	°C
21:00 - 22:00	29.0	29.3	29.9	°C
22:00 - 23:00	28.2	28.6	29.1	°C
23:00 - 00:00	27.6	28.2	28.4	°C
00:00 - 01:00	27.2	27.1	27.8	°C
01:00 - 02:00	26.7	26.6	27.0	°C
02:00 - 03:00	26.4	26.2	26.4	°C
03:00 - 04:00	25.8	25.8	26.1	°C
04:00 - 05:00	25.5	25.6	25.3	°C
05:00 - 06:00	25.3	25.6	24.8	°C
06:00 - 07:00	25.3	25.6	25.1	°C
07:00 - 08:00	25.1	25.4	24.8	°C
08:00 - 09:00	25.1	25.3	24.9	°C
09:00 - 10:00	25.5	26.1	25.7	°C
Min - Max	25.1 - 39.3	25.3 - 39.6	24.8 - 39.2	°C
Average 24 hr.	29.9	30.3	30.5	°C

REMARK : <sup>1)</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1238 - R6612-1244

# TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต รัชของ จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลเอื้อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะชีวิต รัชของ จำกัด  
SAMPLE POINT : บ้านวังตาลหมอน (A1)  
PARAMETER\* : Temperature  
DETERMINATION METHOD : Thermometer Sensor  
INSTRUMENT : Weather Meter, Model Vantage PRO2 : 6152CM  
S/N BF201105024  
SAMPLE NO. : 35102-35108  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	14-15/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	28.8	°C
11:00 - 12:00	32.7	°C
12:00 - 13:00	34.8	°C
13:00 - 14:00	36.4	°C
14:00 - 15:00	39.1	°C
15:00 - 16:00	38.2	°C
16:00 - 17:00	38.4	°C
17:00 - 18:00	38.0	°C
18:00 - 19:00	35.3	°C
19:00 - 20:00	32.2	°C
20:00 - 21:00	30.7	°C
21:00 - 22:00	29.4	°C
22:00 - 23:00	28.6	°C
23:00 - 00:00	27.8	°C
00:00 - 01:00	27.6	°C
01:00 - 02:00	27.1	°C
02:00 - 03:00	26.6	°C
03:00 - 04:00	25.9	°C
04:00 - 05:00	25.5	°C
05:00 - 06:00	25.2	°C
06:00 - 07:00	25.1	°C
07:00 - 08:00	24.8	°C
08:00 - 09:00	24.4	°C
09:00 - 10:00	25.6	°C
Min - Max	24.4 - 39.1	°C
Average 24 hr.	30.3	°C

REMARK : <sup>1)</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By

(MS. THANATPORN K1.INSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1231 - R6612-1237

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต รัชชอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อ.ศรีราชา จ.ชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะชีวิต รัชชอง จำกัด  
SAMPLE POINT : วัดราษฎร์อัสตาราม (A2)  
PARAMETER\* : Temperature  
DETERMINATION METHOD : Thermometer Sensor  
INSTRUMENT : Weather Meter, Model Vantage PRO2 : 6152C  
S/N BC180612017

SAMPLE NO. : 35095-35101  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
09:00 - 10:00 <sup>1)</sup>	26.8	33.0	32.7	°C
10:00 - 11:00	32.6	34.7	33.6	°C
11:00 - 12:00	34.1	33.6	35.4	°C
12:00 - 13:00	35.3	33.1	34.0	°C
13:00 - 14:00	35.6	34.4	34.9	°C
14:00 - 15:00	36.2	36.3	33.1	°C
15:00 - 16:00	33.1	34.2	31.2	°C
16:00 - 17:00	31.6	32.1	31.4	°C
17:00 - 18:00	30.8	30.9	30.6	°C
18:00 - 19:00	29.3	29.7	29.6	°C
19:00 - 20:00	28.9	28.8	28.9	°C
20:00 - 21:00	28.7	28.2	28.6	°C
21:00 - 22:00	28.3	28.1	28.1	°C
22:00 - 23:00	27.9	27.8	27.7	°C
23:00 - 00:00	27.7	27.1	27.4	°C
00:00 - 01:00	27.0	26.9	27.1	°C
01:00 - 02:00	26.7	26.8	26.9	°C
02:00 - 03:00	26.3	26.5	26.3	°C
03:00 - 04:00	25.9	26.2	26.1	°C
04:00 - 05:00	25.7	25.7	25.8	°C
05:00 - 06:00	25.1	25.6	25.7	°C
06:00 - 07:00	25.0	25.2	25.4	°C
07:00 - 08:00	25.3	25.6	25.9	°C
08:00 - 09:00	28.2	29.8	29.5	°C
Min ~ Max	25 - 36.2	25.2 - 36.3	25.4 - 35.4	°C
Average 24 hr.	29.3	29.6	29.4	°C

REMARK : <sup>1)</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1231 - R6612-1237

## TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด  
SAMPLE POINT : วัดราษฎร์อัสตาราม (A2)  
PARAMETER\* : Temperature  
DETERMINATION METHOD : Thermometer Sensor  
INSTRUMENT : Weather Meter, Model Vantage PRO2 : 6152C  
S/N BC180612017

SAMPLE NO. : 35095-35101  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
09:00 - 10:00 <sup>11</sup>	32.6	31.3	30.0	°C
10:00 - 11:00	33.1	33.1	30.9	°C
11:00 - 12:00	33.8	34.9	33.1	°C
12:00 - 13:00	34.5	36.1	33.5	°C
13:00 - 14:00	34.4	36.4	34.2	°C
14:00 - 15:00	32.6	36.0	35.4	°C
15:00 - 16:00	32.7	33.5	33.9	°C
16:00 - 17:00	31.0	32.4	33.4	°C
17:00 - 18:00	30.1	31.1	31.8	°C
18:00 - 19:00	29.6	30.1	31.4	°C
19:00 - 20:00	29.1	29.5	31.1	°C
20:00 - 21:00	28.8	28.9	30.1	°C
21:00 - 22:00	28.5	28.6	29.6	°C
22:00 - 23:00	28.1	28.2	28.3	°C
23:00 - 00:00	27.6	27.7	27.6	°C
00:00 - 01:00	27.2	27.3	27.6	°C
01:00 - 02:00	26.6	26.8	27.0	°C
02:00 - 03:00	26.3	26.7	26.9	°C
03:00 - 04:00	25.8	26.3	26.6	°C
04:00 - 05:00	25.9	26.1	26.4	°C
05:00 - 06:00	25.6	26.0	25.6	°C
06:00 - 07:00	24.8	25.9	25.4	°C
07:00 - 08:00	25.2	26.2	26.1	°C
08:00 - 09:00	28.2	28.5	28.9	°C
Min - Max	24.8 - 34.5	25.9 - 36.4	25.4 - 35.4	°C
Average 24 hr.	29.3	29.9	29.8	°C

REMARK : <sup>11</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tunmarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By.....

(MS. FIANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1231 - R6612-1237

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต รัชชอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะชีวิต รัชชอง จำกัด  
SAMPLE POINT : วัดราชนัดดาราม (A2)  
PARAMETER\* : Temperature  
DETERMINATION METHOD : Thermometer Sensor  
INSTRUMENT : Weather Meter, Model Vantage PRO2 : 6152C  
S/N BC180612017

SAMPLE NO. : 35095-35101  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	14-15/12/2023	UNIT
09:00 - 10:00 <sup>1)</sup>	30.7	°C
10:00 - 11:00	31.4	°C
11:00 - 12:00	32.5	°C
12:00 - 13:00	34.6	°C
13:00 - 14:00	34.6	°C
14:00 - 15:00	34.8	°C
15:00 - 16:00	34.1	°C
16:00 - 17:00	34.0	°C
17:00 - 18:00	32.2	°C
18:00 - 19:00	30.9	°C
19:00 - 20:00	30.2	°C
20:00 - 21:00	29.4	°C
21:00 - 22:00	28.9	°C
22:00 - 23:00	28.3	°C
23:00 - 00:00	28.1	°C
00:00 - 01:00	28.0	°C
01:00 - 02:00	27.2	°C
02:00 - 03:00	26.7	°C
03:00 - 04:00	26.5	°C
04:00 - 05:00	26.1	°C
05:00 - 06:00	26.0	°C
06:00 - 07:00	25.8	°C
07:00 - 08:00	26.2	°C
08:00 - 09:00	29.6	°C
Min - Max	25.8 - 34.8	°C
Average 24 hr.	29.9	°C

REMARK : <sup>1)</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1245 - R6612-1251

## TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อําเภอสรีราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด  
 SAMPLE POINT : โรงเรียนบ้านกุไทร (A3)  
 PARAMETER\* : Temperature  
 DETERMINATION METHOD : Thermometer Sensor  
 INSTRUMENT : Weather Meter, Model Vantage PRO2 : 6152C  
 S/N BF220706083

SAMPLE NO. : 35109-35115  
 SAMPLING DATE : 08-15/12/2023  
 RECEIVED DATE : 16/12/2023  
 REPORTED DATE : 22/12/2023

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	33.4	31.6	31.6	°C
11:00 - 12:00	29.3	33.2	34.2	°C
12:00 - 13:00	34.8	34.5	34.8	°C
13:00 - 14:00	33.1	36.8	37.6	°C
14:00 - 15:00	31.4	36.4	33.2	°C
15:00 - 16:00	33.3	34.6	33.3	°C
16:00 - 17:00	31.7	32.0	30.8	°C
17:00 - 18:00	30.9	30.6	30.2	°C
18:00 - 19:00	29.3	29.1	28.9	°C
19:00 - 20:00	27.8	27.8	27.8	°C
20:00 - 21:00	26.9	27.1	26.7	°C
21:00 - 22:00	26.5	25.9	26.0	°C
22:00 - 23:00	25.6	25.4	25.6	°C
23:00 - 00:00	25.3	24.8	25.1	°C
00:00 - 01:00	25.4	24.4	24.7	°C
01:00 - 02:00	24.6	24.1	24.5	°C
02:00 - 03:00	24.1	24.1	24.2	°C
03:00 - 04:00	23.7	23.8	24.1	°C
04:00 - 05:00	23.6	23.6	23.8	°C
05:00 - 06:00	23.4	23.3	23.7	°C
06:00 - 07:00	23.2	23.2	23.5	°C
07:00 - 08:00	23.3	23.3	23.6	°C
08:00 - 09:00	25.5	25.4	25.7	°C
09:00 - 10:00	29.0	28.8	29.2	°C
Min - Max	23.2 - 34.8	23.2 - 36.8	23.5 - 37.6	°C
Average 24 hr.	27.7	28.1	28.0	°C

REMARK : <sup>1)</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Mr. Tunimurut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Request No. LA66-R1242

Report No. R6612-1245 - R6612-1251

## TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด  
SAMPLE POINT : โรงเรียนบ้านกุไทร (A3)  
PARAMETER\* : Temperature  
DETERMINATION METHOD : Thermometer Sensor  
INSTRUMENT : Weather Meter, Model Vantage PRO2 : 6152C  
S/N BF220706083

SAMPLE NO. : 35109-35115  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	30.7	32.1	31.4	°C
11:00 - 12:00	32.3	32.8	33.1	°C
12:00 - 13:00	35.2	34.2	34.7	°C
13:00 - 14:00	37.8	37.2	36.4	°C
14:00 - 15:00	33.8	38.3	36.3	°C
15:00 - 16:00	32.6	33.3	36.8	°C
16:00 - 17:00	31.9	32.2	34.3	°C
17:00 - 18:00	30.6	31.0	32.7	°C
18:00 - 19:00	29.3	29.4	30.2	°C
19:00 - 20:00	27.8	28.3	28.9	°C
20:00 - 21:00	26.7	27.1	27.4	°C
21:00 - 22:00	26.1	26.4	26.3	°C
22:00 - 23:00	25.6	25.7	25.7	°C
23:00 - 00:00	25.2	25.2	25.8	°C
00:00 - 01:00	24.7	24.8	25.0	°C
01:00 - 02:00	24.2	24.4	24.6	°C
02:00 - 03:00	23.8	24.4	24.4	°C
03:00 - 04:00	23.4	24.1	23.9	°C
04:00 - 05:00	23.1	24.2	23.4	°C
05:00 - 06:00	22.9	24.1	23.2	°C
06:00 - 07:00	23.2	23.8	23.1	°C
07:00 - 08:00	23.1	23.8	23.1	°C
08:00 - 09:00	25.2	25.9	25.7	°C
09:00 - 10:00	29.4	28.8	29.9	°C
Min - Max	22.9 - 37.8	23.8 - 38.3	23.1 - 36.8	°C
Average 24 hr.	27.9	28.4	28.6	°C

REMARK : <sup>1)</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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(MS. THANATPORN KLINSOPON)

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683 หมู่ 11 ต.สุขาภิบาล 8 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)

Request No. LA66-R1242

Report No. R6612-1245 - R6612-1251

## TEST REPORT

CUSTOMER	บริษัท อมตะชีวิต รัชของ จำกัด	SAMPLE NO.	35109-35115
ADDRESS	7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	08-15/12/2023
SAMPLE SOURCE	บริษัท อมตะชีวิต รัชของ จำกัด	RECEIVED DATE	16/12/2023
SAMPLE POINT	โรงเรียนบ้านภูไทร (A3)	REPORTED DATE	22/12/2023
PARAMETER*	Temperature		
DETERMINATION METHOD	Thermometer Sensor		
INSTRUMENT	Weather Meter, Model Vantage PRO2 : 6152C S/N BF220706083		

TIME / DATE	14-15/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	32.7	°C
11:00 - 12:00	33.8	°C
12:00 - 13:00	34.3	°C
13:00 - 14:00	35.6	°C
14:00 - 15:00	36.8	°C
15:00 - 16:00	31.6	°C
16:00 - 17:00	32.2	°C
17:00 - 18:00	31.4	°C
18:00 - 19:00	30.2	°C
19:00 - 20:00	28.6	°C
20:00 - 21:00	27.2	°C
21:00 - 22:00	26.2	°C
22:00 - 23:00	25.9	°C
23:00 - 00:00	25.8	°C
00:00 - 01:00	25.1	°C
01:00 - 02:00	24.3	°C
02:00 - 03:00	24.2	°C
03:00 - 04:00	24.1	°C
04:00 - 05:00	23.5	°C
05:00 - 06:00	23.2	°C
06:00 - 07:00	23.1	°C
07:00 - 08:00	23.4	°C
08:00 - 09:00	26.3	°C
09:00 - 10:00	30.7	°C
Min - Max	23.1 - 36.8	°C
Average 24 hr.	28.3	°C

REMARK : <sup>1)</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Request No. LA66-R1242

Report No. R6612-1203 - R6612-1209

## TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35067-35073
ADDRESS	: 7 หมู่ 3 ตำบลบึงบาล 8 อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: บ้านวังศาลหมอน (A1)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Sulfur Dioxide		
DETERMINATION METHOD	: UV-Fluorescence		
INSTRUMENT	: API Model T100 S/N 1608		

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

Approved By...

(MS. THANATPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด  
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Request No. LA66-R1242

Report No. R6612-I203 - R6612-I209

## TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด  
SAMPLE POINT : บ้านวังศาลหม่อน (A1)  
PARAMETER\* : Sulfur Dioxide  
DETERMINATION METHOD : UV-Fluorescence  
INSTRUMENT : API Model T100 S/N 1608

SAMPLE NO. : 35067-35073  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

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

Approved By

(MS. THANAPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA66-R1242

Report No. R6612-1203 - R6612-1209

## TEST REPORT

CUSTOMER	: บริษัท อมตะจีที ระยอง จำกัด	SAMPLE NO.	: 35067-35073
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะจีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: บ้านวังศาลหม่อน (A1)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Sulfur Dioxide		
DETERMINATION METHOD	: UV-Fluorescence		
INSTRUMENT	: API Model T100 S/N 1608		

TIME / DATE	14-15/12/2023	UNIT
09:00 - 10:00 <sup>/1</sup>	0.002	ppm
10:00 - 11:00	0.002	ppm
11:00 - 12:00	0.002	ppm
12:00 - 13:00	0.002	ppm
13:00 - 14:00	0.002	ppm
14:00 - 15:00	0.002	ppm
15:00 - 16:00	0.003	ppm
16:00 - 17:00	0.003	ppm
17:00 - 18:00	0.003	ppm
18:00 - 19:00	0.004	ppm
19:00 - 20:00	0.004	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	0.003	ppm
00:00 - 01:00	0.002	ppm
01:00 - 02:00	0.001	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	0.002	ppm
07:00 - 08:00	0.003	ppm
08:00 - 09:00	0.003	ppm
Maximum 1 hr.	0.005	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 Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarat Pitsanangkham)

บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1189 - R6612-1195

## TEST REPORT

CUSTOMER	: บริษัท อมตะจีดี ระยอง จำกัด	SAMPLE NO.	: 35053-35059
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะจีดี ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: วัดราษฎร์อัสตาราม (A2)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Sulfur Dioxide		
DETERMINATION METHOD	: UV-Fluorescence		
INSTRUMENT	: API Model M100E S/N 3137		

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
09:00 - 10:00 <sup>13</sup>	0.001	<0.001	<0.001	ppm
10:00 - 11:00	0.001	<0.001	<0.001	ppm
11:00 - 12:00	0.001	<0.001	<0.001	ppm
12:00 - 13:00	<0.001	<0.001	<0.001	ppm
13:00 - 14:00	<0.001	<0.001	<0.001	ppm
14:00 - 15:00	<0.001	<0.001	<0.001	ppm
15:00 - 16:00	<0.001	<0.001	<0.001	ppm
16:00 - 17:00	<0.001	<0.001	<0.001	ppm
17:00 - 18:00	<0.001	<0.001	<0.001	ppm
18:00 - 19:00	<0.001	<0.001	<0.001	ppm
19:00 - 20:00	<0.001	<0.001	<0.001	ppm
20:00 - 21:00	<0.001	<0.001	<0.001	ppm
21:00 - 22:00	<0.001	<0.001	<0.001	ppm
22:00 - 23:00	<0.001	<0.001	<0.001	ppm
23:00 - 00:00	<0.001	<0.001	<0.001	ppm
00:00 - 01:00	<0.001	<0.001	<0.001	ppm
01:00 - 02:00	<0.001	<0.001	<0.001	ppm
02:00 - 03:00	<0.001	<0.001	<0.001	ppm
03:00 - 04:00	<0.001	<0.001	<0.001	ppm
04:00 - 05:00	<0.001	<0.001	<0.001	ppm
05:00 - 06:00	<0.001	<0.001	<0.001	ppm
06:00 - 07:00	<0.001	<0.001	<0.001	ppm
07:00 - 08:00	<0.001	<0.001	<0.001	ppm
08:00 - 09:00	<0.001	<0.001	<0.001	ppm
Maximum 1 hr.	0.001	<0.001	<0.001	ppm
Average 24 hr.	<0.001	<0.001	<0.001	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. Tummarut Pholunkharn)Approved By 

(MS. THANATPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA66-R1242

Report No. R6612-1189 - R6612-1195

## TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35053-35059
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อําเภอสรรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: วัดราษฎร์อัสตาราม (A2)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Sulfur Dioxide		
DETERMINATION METHOD	: UV-Fluorescence		
INSTRUMENT	: API Model MI00E S/N 3137		

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1189 - R6612-1195

## TEST REPORT

CUSTOMER	: บริษัท อมตะจีที ระยอง จำกัด	SAMPLE NO.	: 35053-35059
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหีบ จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะจีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: วัดราษฎร์อัสตาราม (A2)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Sulfur Dioxide		
DETERMINATION METHOD	: UV-Fluorescence		
INSTRUMENT	: API Model M100E S/N 3137		

TIME / DATE	14-15/12/2023	UNIT
09:00 - 10:00 <sup>/3</sup>	<0.001	ppm
10:00 - 11:00	<0.001	ppm
11:00 - 12:00	<0.001	ppm
12:00 - 13:00	<0.001	ppm
13:00 - 14:00	<0.001	ppm
14:00 - 15:00	<0.001	ppm
15:00 - 16:00	<0.001	ppm
16:00 - 17:00	<0.001	ppm
17:00 - 18:00	<0.001	ppm
18:00 - 19:00	<0.001	ppm
19:00 - 20:00	<0.001	ppm
20:00 - 21:00	<0.001	ppm
21:00 - 22:00	<0.001	ppm
22:00 - 23:00	<0.001	ppm
23:00 - 00:00	<0.001	ppm
00:00 - 01:00	<0.001	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	<0.001	ppm
05:00 - 06:00	<0.001	ppm
06:00 - 07:00	<0.001	ppm
07:00 - 08:00	<0.001	ppm
08:00 - 09:00	<0.001	ppm
Maximum 1 hr.	<0.001	ppm
Average 24 hr.	<0.001	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 Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarat Pichakittum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1217 - R6612-1223

## TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด  
SAMPLE POINT : โรงเรียนบ้านคูไทร (A3)  
PARAMETER\* : Sulfur Dioxide  
DETERMINATION METHOD : UV-Fluorescence  
INSTRUMENT : API Model T100 S/N 6458

SAMPLE NO. : 35081-35087  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
10:00 - 11:00 <sup>1)</sup>	0.002	0.003	0.004	ppm
11:00 - 12:00	0.002	0.004	0.004	ppm
12:00 - 13:00	0.003	0.004	0.004	ppm
13:00 - 14:00	0.002	0.004	0.004	ppm
14:00 - 15:00	0.003	0.004	0.003	ppm
15:00 - 16:00	0.002	0.003	0.003	ppm
16:00 - 17:00	0.002	0.003	0.003	ppm
17:00 - 18:00	0.002	0.003	0.003	ppm
18:00 - 19:00	0.002	0.003	0.003	ppm
19:00 - 20:00	0.003	0.003	0.003	ppm
20:00 - 21:00	0.003	0.003	0.003	ppm
21:00 - 22:00	0.003	0.003	0.003	ppm
22:00 - 23:00	0.003	0.003	0.003	ppm
23:00 - 00:00	0.003	0.003	0.003	ppm
00:00 - 01:00	0.003	0.003	0.003	ppm
01:00 - 02:00	0.003	0.003	0.003	ppm
02:00 - 03:00	0.003	0.003	0.003	ppm
03:00 - 04:00	0.003	0.003	0.003	ppm
04:00 - 05:00	0.003	0.003	0.003	ppm
05:00 - 06:00	0.003	0.003	0.003	ppm
06:00 - 07:00	0.003	0.003	0.003	ppm
07:00 - 08:00	0.004	0.004	0.003	ppm
08:00 - 09:00	0.004	0.004	0.004	ppm
10:00 - 11:00	0.004	0.004	0.003	ppm
Maximum 1 hr.	0.004	0.004	0.004	ppm
Average 24 hr.	0.003	0.003	0.003	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 Photokhuno)Approved By: 

(MS. THANATPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA66-R1242

Report No. R6612-1217 - R6612-1223

## TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35081-35087
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: โรงเรียนบ้านกุไทร (A3)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Sulfur Dioxide		
DETERMINATION METHOD	: UV-Fluorescence		
INSTRUMENT	: API Model T100 S/N 6458		

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
10:00 - 11:00 <sup>13</sup>	0.004	0.003	0.003	ppm
11:00 - 12:00	0.004	0.004	0.003	ppm
12:00 - 13:00	0.004	0.004	0.003	ppm
13:00 - 14:00	0.004	0.004	0.003	ppm
14:00 - 15:00	0.004	0.004	0.003	ppm
15:00 - 16:00	0.003	0.003	0.003	ppm
16:00 - 17:00	0.003	0.003	0.003	ppm
17:00 - 18:00	0.003	0.003	0.003	ppm
18:00 - 19:00	0.003	0.003	0.003	ppm
19:00 - 20:00	0.003	0.003	0.003	ppm
20:00 - 21:00	0.003	0.003	0.003	ppm
21:00 - 22:00	0.003	0.003	0.003	ppm
22:00 - 23:00	0.003	0.003	0.003	ppm
23:00 - 00:00	0.003	0.003	0.003	ppm
00:00 - 01:00	0.003	0.003	0.003	ppm
01:00 - 02:00	0.003	0.003	0.003	ppm
02:00 - 03:00	0.003	0.003	0.003	ppm
03:00 - 04:00	0.003	0.003	0.003	ppm
04:00 - 05:00	0.003	0.003	0.003	ppm
05:00 - 06:00	0.003	0.003	0.003	ppm
06:00 - 07:00	0.003	0.003	0.003	ppm
07:00 - 08:00	0.004	0.003	0.003	ppm
08:00 - 09:00	0.004	0.003	0.003	ppm
10:00 - 11:00	0.004	0.004	0.003	ppm
Maximum 1 hr.	0.004	0.004	0.003	ppm
Average 24 hr.	0.003	0.003	0.003	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 Phromkhun)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1217 - R6612-1223

## TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหิรา จังหวัดชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะชีวิต ระยอง จำกัด  
SAMPLE POINT : โรงเรียนบ้านกุไทร (A3)  
PARAMETER\* : Sulfur Dioxide  
DETERMINATION METHOD : UV-Fluorescence  
INSTRUMENT : API Model T100 S/N 6458

SAMPLE NO. : 35081-35087  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	14-15/12/2023	UNIT
10:00 - 11:00 <sup>3</sup>	0.003	ppm
11:00 - 12:00	0.003	ppm
12:00 - 13:00	0.003	ppm
13:00 - 14:00	0.003	ppm
14:00 - 15:00	0.003	ppm
15:00 - 16:00	0.003	ppm
16:00 - 17:00	0.003	ppm
17:00 - 18:00	0.003	ppm
18:00 - 19:00	0.003	ppm
19:00 - 20:00	0.003	ppm
20:00 - 21:00	0.003	ppm
21:00 - 22:00	0.003	ppm
22:00 - 23:00	0.003	ppm
23:00 - 00:00	0.003	ppm
00:00 - 01:00	0.003	ppm
01:00 - 02:00	0.003	ppm
02:00 - 03:00	0.003	ppm
03:00 - 04:00	0.003	ppm
04:00 - 05:00	0.003	ppm
05:00 - 06:00	0.003	ppm
06:00 - 07:00	0.003	ppm
07:00 - 08:00	0.003	ppm
08:00 - 09:00	0.003	ppm
10:00 - 11:00	0.003	ppm
Maximum 1 hr.	0.003	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 Regulation of The Department of Industrial Works  
(Measurement By Mr. Tummarut Phadankuln)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By. 

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1210 - R6612-1216

## TEST REPORT

CUSTOMER : บริษัท อมตะจีที ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตร์ราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะจีที ระยอง จำกัด  
 SAMPLE POINT : บ้านจันทาลหมอน (A1)  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 35074-35080  
 SAMPLING DATE : 08-15/12/2023  
 RECEIVED DATE : 16/12/2023  
 REPORTED DATE : 22/12/2023

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
09:00 - 10:00 <sup>2</sup>	0.011	0.026	0.010	ppm
10:00 - 11:00	0.012	0.020	0.012	ppm
11:00 - 12:00	0.012	0.024	0.015	ppm
12:00 - 13:00	0.013	0.017	0.011	ppm
13:00 - 14:00	0.013	0.012	0.009	ppm
14:00 - 15:00	0.014	0.014	0.014	ppm
15:00 - 16:00	0.046	0.015	0.016	ppm
16:00 - 17:00	0.028	0.014	0.019	ppm
17:00 - 18:00	0.016	0.014	0.023	ppm
18:00 - 19:00	0.015	0.016	0.028	ppm
19:00 - 20:00	0.015	0.019	0.025	ppm
20:00 - 21:00	0.020	0.021	0.021	ppm
21:00 - 22:00	0.025	0.016	0.019	ppm
22:00 - 23:00	0.024	0.018	0.020	ppm
23:00 - 00:00	0.022	0.016	0.019	ppm
00:00 - 01:00	0.020	0.013	0.016	ppm
01:00 - 02:00	0.021	0.015	0.017	ppm
02:00 - 03:00	0.014	0.012	0.018	ppm
03:00 - 04:00	0.014	0.014	0.019	ppm
04:00 - 05:00	0.017	0.010	0.022	ppm
05:00 - 06:00	0.021	0.012	0.024	ppm
06:00 - 07:00	0.025	0.012	0.027	ppm
07:00 - 08:00	0.033	0.010	0.031	ppm
08:00 - 09:00	0.035	0.009	0.031	ppm
Maximum 1 hr.	0.046	0.026	0.031	ppm
Average 24 hr.	0.020	0.015	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. Tummarut Phatankulom)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1210 - R6612-1216

## TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อําเภอสัตร์ราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด  
 SAMPLE POINT : บ้านวังตาลหมอน (A1)  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 35074-35080  
 SAMPLING DATE : 08-15/12/2023  
 RECEIVED DATE : 16/12/2023  
 REPORTED DATE : 22/12/2023

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
09:00 - 10:00 <sup>2</sup>	0.024	0.021	0.027	ppm
10:00 - 11:00	0.026	0.021	0.013	ppm
11:00 - 12:00	0.011	0.009	0.007	ppm
12:00 - 13:00	0.010	0.006	0.005	ppm
13:00 - 14:00	0.008	0.005	0.004	ppm
14:00 - 15:00	0.014	0.003	0.003	ppm
15:00 - 16:00	0.011	0.004	0.003	ppm
16:00 - 17:00	0.016	0.005	0.004	ppm
17:00 - 18:00	0.010	0.010	0.004	ppm
18:00 - 19:00	0.014	0.011	0.007	ppm
19:00 - 20:00	0.017	0.010	0.012	ppm
20:00 - 21:00	0.024	0.013	0.014	ppm
21:00 - 22:00	0.018	0.016	0.010	ppm
22:00 - 23:00	0.021	0.030	0.012	ppm
23:00 - 00:00	0.018	0.013	0.009	ppm
00:00 - 01:00	0.017	0.011	0.010	ppm
01:00 - 02:00	0.017	0.011	0.013	ppm
02:00 - 03:00	0.017	0.011	0.012	ppm
03:00 - 04:00	0.014	0.011	0.011	ppm
04:00 - 05:00	0.013	0.011	0.012	ppm
05:00 - 06:00	0.009	0.019	0.012	ppm
06:00 - 07:00	0.009	0.020	0.013	ppm
07:00 - 08:00	0.010	0.020	0.014	ppm
08:00 - 09:00	0.011	0.022	0.015	ppm
Maximum 1 hr.	0.026	0.030	0.027	ppm
Average 24 hr.	0.015	0.013	0.010	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. Tummarot Pholankhwan)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1210 - R6612-1216

## TEST REPORT

CUSTOMER : บริษัท อมตะจิตต์ ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะจิตต์ ระยอง จำกัด  
 SAMPLE POINT : บ้านวังตาลหม่อน (A1)  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 35074-35080  
 SAMPLING DATE : 08-15/12/2023  
 RECEIVED DATE : 16/12/2023  
 REPORTED DATE : 22/12/2023

TIME / DATE	14-15/12/2023	UNIT
09:00 - 10:00 <sup>2</sup>	0.014	ppm
10:00 - 11:00	0.006	ppm
11:00 - 12:00	0.005	ppm
12:00 - 13:00	0.004	ppm
13:00 - 14:00	0.003	ppm
14:00 - 15:00	0.003	ppm
15:00 - 16:00	0.003	ppm
16:00 - 17:00	0.003	ppm
17:00 - 18:00	0.010	ppm
18:00 - 19:00	0.012	ppm
19:00 - 20:00	0.019	ppm
20:00 - 21:00	0.017	ppm
21:00 - 22:00	0.020	ppm
22:00 - 23:00	0.026	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	0.014	ppm
04:00 - 05:00	0.015	ppm
05:00 - 06:00	0.016	ppm
06:00 - 07:00	0.014	ppm
07:00 - 08:00	0.014	ppm
08:00 - 09:00	0.018	ppm
Maximum 1 hr.	0.026	ppm
Average 24 hr.	0.013	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. Tummarat Pholankhum)

Approved By

(MS. THANATPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA66-R1242

Report No. R6612-1196 - R6612-1202

## TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35060-35066
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: วัดราษฎร์อัสตาราม (A2)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Nitrogen Dioxide		
DETERMINATION METHOD	: Chemiluminescence		
INSTRUMENT	: API Model T200 S/N 6756		

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
09:00 - 10:00 <sup>2</sup>	0.005	0.008	0.007	ppm
10:00 - 11:00	0.001	0.005	0.005	ppm
11:00 - 12:00	0.002	0.003	0.003	ppm
12:00 - 13:00	0.002	0.002	0.002	ppm
13:00 - 14:00	0.004	0.002	0.002	ppm
14:00 - 15:00	0.010	0.002	0.003	ppm
15:00 - 16:00	0.008	0.002	0.003	ppm
16:00 - 17:00	0.003	0.006	0.003	ppm
17:00 - 18:00	0.005	0.005	0.004	ppm
18:00 - 19:00	0.006	0.006	0.005	ppm
19:00 - 20:00	0.004	0.003	0.006	ppm
20:00 - 21:00	0.007	0.007	0.006	ppm
21:00 - 22:00	0.008	0.009	0.008	ppm
22:00 - 23:00	0.010	0.008	0.007	ppm
23:00 - 00:00	0.009	0.009	0.006	ppm
00:00 - 01:00	0.006	0.005	0.005	ppm
01:00 - 02:00	0.008	0.009	0.005	ppm
02:00 - 03:00	0.008	0.005	0.006	ppm
03:00 - 04:00	0.009	0.010	0.006	ppm
04:00 - 05:00	0.010	0.010	0.005	ppm
05:00 - 06:00	0.009	0.009	0.006	ppm
06:00 - 07:00	0.007	0.008	0.008	ppm
07:00 - 08:00	0.006	0.007	0.010	ppm
08:00 - 09:00	0.010	0.009	0.012	ppm
Maximum 1 hr.	0.010	0.010	0.012	ppm
Average 24 hr.	0.006	0.006	0.006	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 Photankitpong)

Approved By.....

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1196 - R6612-1202

TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35060-35066
ADDRESS	: 7 หมู่ 3 ตำบลอ่าวบ้านดอน อำเภอศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: วัดราษฎร์อัสตาราม (A2)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Nitrogen Dioxide		
DETERMINATION METHOD	: Chemiluminescence		
INSTRUMENT	: API Model T200 S/N 6756		

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
09:00 - 10:00 <sup>1/2</sup>	0.007	0.010	0.008	ppm
10:00 - 11:00	0.004	0.007	0.004	ppm
11:00 - 12:00	0.004	0.005	0.003	ppm
12:00 - 13:00	0.003	0.003	0.002	ppm
13:00 - 14:00	0.003	0.003	0.002	ppm
14:00 - 15:00	0.003	0.003	0.002	ppm
15:00 - 16:00	0.003	0.003	0.004	ppm
16:00 - 17:00	0.002	0.004	0.003	ppm
17:00 - 18:00	0.003	0.004	0.004	ppm
18:00 - 19:00	0.005	0.006	0.006	ppm
19:00 - 20:00	0.006	0.006	0.006	ppm
20:00 - 21:00	0.007	0.005	0.006	ppm
21:00 - 22:00	0.009	0.006	0.006	ppm
22:00 - 23:00	0.009	0.006	0.007	ppm
23:00 - 00:00	0.009	0.006	0.006	ppm
00:00 - 01:00	0.010	0.006	0.006	ppm
01:00 - 02:00	0.008	0.006	0.004	ppm
02:00 - 03:00	0.008	0.007	0.003	ppm
03:00 - 04:00	0.010	0.008	0.002	ppm
04:00 - 05:00	0.010	0.014	0.003	ppm
05:00 - 06:00	0.008	0.012	0.004	ppm
06:00 - 07:00	0.007	0.007	0.004	ppm
07:00 - 08:00	0.008	0.010	0.007	ppm
08:00 - 09:00	0.014	0.013	0.006	ppm
Maximum 1 hr.	0.014	0.014	0.008	ppm
Average 24 hr.	0.007	0.007	0.004	ppm
Standard (1 hr.) <sup>1/1</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>1/1</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 Pichumkham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KLINSOPON)

22/12/2023

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Request No. LA66-R1242

Report No. R6612-1196 - R6612-1202

TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35060-35066
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหิรา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: วัดราษฎร์อัสตาราม (A2)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Nitrogen Dioxide		
DETERMINATION METHOD	: Chemiluminescence		
INSTRUMENT	: API Model T200 S/N 6756		

TIME / DATE	14-15/12/2023	UNIT
09:00 - 10:00 <sup>12</sup>	0.003	ppm
10:00 - 11:00	0.003	ppm
11:00 - 12:00	0.002	ppm
12:00 - 13:00	0.002	ppm
13:00 - 14:00	0.002	ppm
14:00 - 15:00	0.002	ppm
15:00 - 16:00	0.001	ppm
16:00 - 17:00	0.004	ppm
17:00 - 18:00	0.005	ppm
18:00 - 19:00	0.010	ppm
19:00 - 20:00	0.009	ppm
20:00 - 21:00	0.011	ppm
21:00 - 22:00	0.012	ppm
22:00 - 23:00	0.009	ppm
23:00 - 00:00	0.007	ppm
00:00 - 01:00	0.008	ppm
01:00 - 02:00	0.009	ppm
02:00 - 03:00	0.007	ppm
03:00 - 04:00	0.007	ppm
04:00 - 05:00	0.007	ppm
05:00 - 06:00	0.007	ppm
06:00 - 07:00	0.007	ppm
07:00 - 08:00	0.009	ppm
08:00 - 09:00	0.008	ppm
Maximum 1 hr.	0.012	ppm
Average 24 hr.	0.006	ppm
Standard (1 hr.) <sup>11</sup>	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 Phorakham)



Approved By:   
(MS. THANATPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA66-R1242

Report No. R6612-1224 - R6612-1230

## TEST REPORT

CUSTOMER	: บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	: 35088-35094
ADDRESS	: 7 หมู่ 3 ตำบลบ่อวิน อำเภศรีราชา จังหวัดชลบุรี 20230	SAMPLING DATE	: 08-15/12/2023
SAMPLE SOURCE	: บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	: 16/12/2023
SAMPLE POINT	: โรงเรียนบ้านคูไทร (A3)	REPORTED DATE	: 22/12/2023
PARAMETER*	: Nitrogen Dioxide		
DETERMINATION METHOD	: Chemiluminescence		
INSTRUMENT	: API Model M200E S/N 4084		

TIME / DATE	08-09/12/2023	09-10/12/2023	10-11/12/2023	UNIT
10:00 - 11:00 <sup>12</sup>	0.001	0.008	0.008	ppm
11:00 - 12:00	0.002	0.004	0.003	ppm
12:00 - 13:00	0.003	0.001	0.001	ppm
13:00 - 14:00	0.001	0.004	<0.001	ppm
14:00 - 15:00	0.001	0.001	0.002	ppm
15:00 - 16:00	0.005	0.002	0.002	ppm
16:00 - 17:00	0.003	0.002	0.001	ppm
17:00 - 18:00	0.003	0.001	0.001	ppm
18:00 - 19:00	0.005	0.002	0.002	ppm
19:00 - 20:00	0.006	0.004	0.005	ppm
20:00 - 21:00	0.008	0.006	0.010	ppm
21:00 - 22:00	0.013	0.008	0.014	ppm
22:00 - 23:00	0.007	0.007	0.008	ppm
23:00 - 00:00	0.004	0.004	0.007	ppm
00:00 - 01:00	0.002	0.005	0.004	ppm
01:00 - 02:00	0.003	0.002	0.002	ppm
02:00 - 03:00	0.003	0.002	0.002	ppm
03:00 - 04:00	0.002	0.002	0.002	ppm
04:00 - 05:00	0.003	0.001	0.002	ppm
05:00 - 06:00	0.003	0.002	0.002	ppm
06:00 - 07:00	0.003	0.003	0.002	ppm
07:00 - 08:00	0.004	0.003	0.003	ppm
08:00 - 09:00	0.007	0.007	0.007	ppm
10:00 - 11:00	0.011	0.009	0.008	ppm
Maximum 1 hr.	0.013	0.009	0.014	ppm
Average 24 hr.	0.004	0.004	0.004	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. Tummarut Pholankhinn)Approved By   
(MS. THANATPORN KLINSOPON)

22/12/2023

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

COPY



Request No. LA66-R1242

Report No. R6612-1224 - R6612-1230

## TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด  
 ADDRESS : 7 หมู่ 3 ตำบลบ่ออัน อำเภอสรีราชา จังหวัดชลบุรี 20230  
 SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด  
 SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : API Model M200F S/N 4084

SAMPLE NO. : 35088-35094  
 SAMPLING DATE : 08-15/12/2023  
 RECEIVED DATE : 16/12/2023  
 REPORTED DATE : 22/12/2023

TIME / DATE	11-12/12/2023	12-13/12/2023	13-14/12/2023	UNIT
10:00 - 11:00 <sup>2</sup>	0.007	0.005	0.007	ppm
11:00 - 12:00	0.008	0.004	0.002	ppm
12:00 - 13:00	0.003	0.004	0.002	ppm
13:00 - 14:00	0.001	0.001	<0.001	ppm
14:00 - 15:00	0.001	<0.001	<0.001	ppm
15:00 - 16:00	0.002	0.002	0.001	ppm
16:00 - 17:00	0.003	0.004	<0.001	ppm
17:00 - 18:00	0.003	0.003	<0.001	ppm
18:00 - 19:00	0.002	0.004	0.002	ppm
19:00 - 20:00	0.006	0.003	0.003	ppm
20:00 - 21:00	0.007	0.006	0.007	ppm
21:00 - 22:00	0.008	0.005	0.006	ppm
22:00 - 23:00	0.005	0.005	0.005	ppm
23:00 - 00:00	0.005	0.005	0.006	ppm
00:00 - 01:00	0.004	0.003	0.006	ppm
01:00 - 02:00	0.003	0.003	0.006	ppm
02:00 - 03:00	0.002	0.002	0.003	ppm
03:00 - 04:00	0.001	0.001	0.002	ppm
04:00 - 05:00	0.001	0.001	0.002	ppm
05:00 - 06:00	0.001	0.001	0.002	ppm
06:00 - 07:00	0.001	0.002	0.002	ppm
07:00 - 08:00	0.003	0.002	0.004	ppm
08:00 - 09:00	0.007	0.005	0.006	ppm
10:00 - 11:00	0.007	0.013	0.006	ppm
Maximum 1 hr.	0.008	0.013	0.007	ppm
Average 24 hr.	0.004	0.003	0.003	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 Pirotanakham)

Approved By

(MS. THANATPORN KLINSOPON)

22/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY



Request No. LA66-R1242

Report No. R6612-1224 - R6612-1230

TEST REPORT

CUSTOMER : บริษัท อมตะจิตต์ ระยอง จำกัด  
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อ.แกลง จ.ชลบุรี 20230  
SAMPLE SOURCE : บริษัท อมตะจิตต์ ระยอง จำกัด  
SAMPLE POINT : โรงเรียนบ้านคูไทร (A3)  
PARAMETER\* : Nitrogen Dioxide  
DETERMINATION METHOD : Chemiluminescence  
INSTRUMENT : API Model M200E S/N 4084  
SAMPLE NO. : 35088-35094  
SAMPLING DATE : 08-15/12/2023  
RECEIVED DATE : 16/12/2023  
REPORTED DATE : 22/12/2023

TIME / DATE	14-15/12/2023	UNIT
10:00 - 11:00 <sup>12</sup>	0.005	ppm
11:00 - 12:00	0.002	ppm
12:00 - 13:00	0.002	ppm
13:00 - 14:00	<0.001	ppm
14:00 - 15:00	0.001	ppm
15:00 - 16:00	<0.001	ppm
16:00 - 17:00	0.001	ppm
17:00 - 18:00	0.003	ppm
18:00 - 19:00	0.005	ppm
19:00 - 20:00	0.006	ppm
20:00 - 21:00	0.011	ppm
21:00 - 22:00	0.009	ppm
22:00 - 23:00	0.013	ppm
23:00 - 00:00	0.009	ppm
00:00 - 01:00	0.007	ppm
01:00 - 02:00	0.007	ppm
02:00 - 03:00	0.007	ppm
03:00 - 04:00	0.006	ppm
04:00 - 05:00	0.003	ppm
05:00 - 06:00	0.005	ppm
06:00 - 07:00	0.005	ppm
07:00 - 08:00	0.005	ppm
08:00 - 09:00	0.009	ppm
10:00 - 11:00	0.011	ppm
Maximum 1 hr.	0.013	ppm
Average 24 hr.	0.005	ppm
Standard (1 hr.) <sup>11</sup>	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 Phonkshum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

22/12/2023

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

**COPY**

แผนผังทิศทางและความเร็วลม

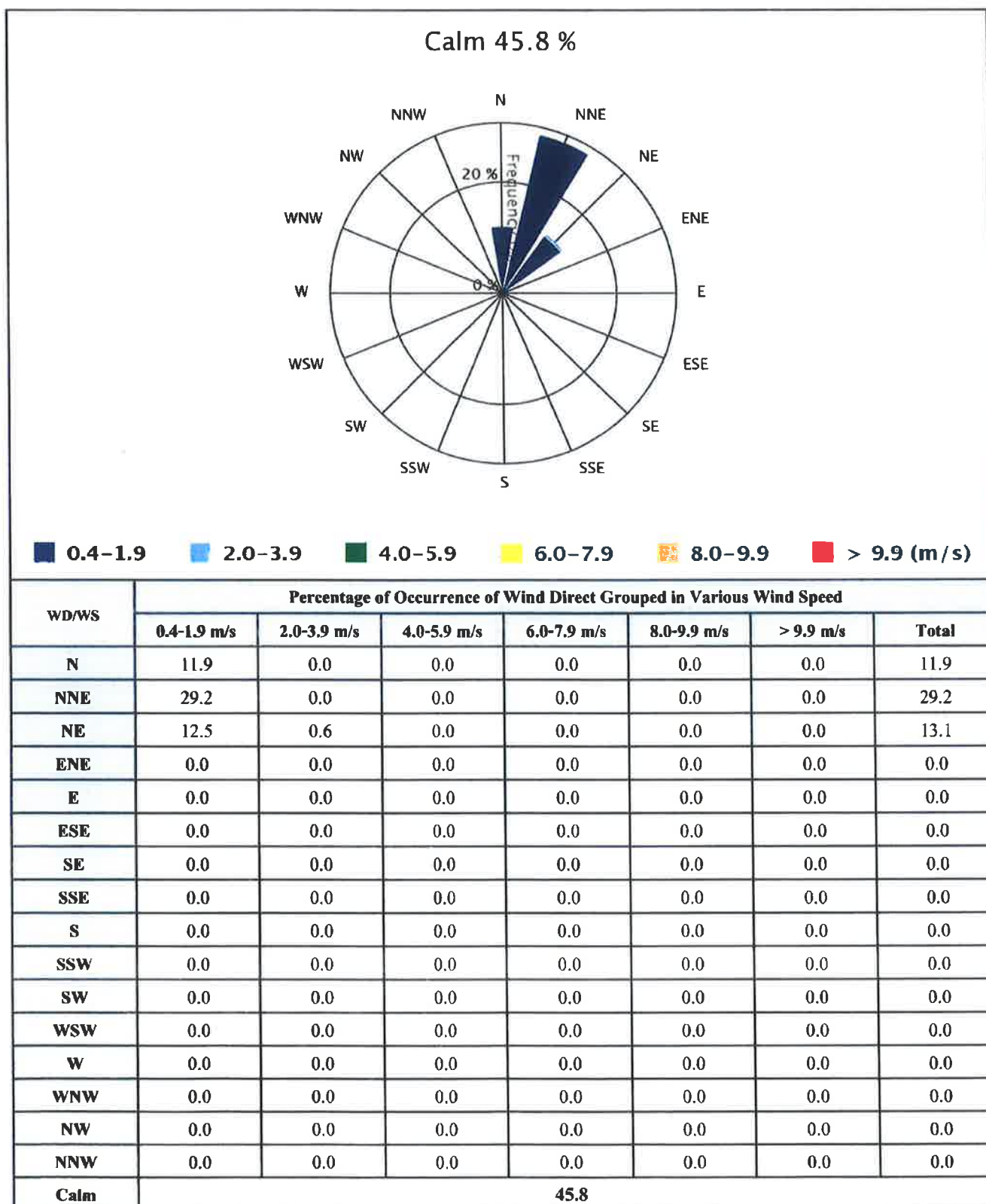
Request No. LA66-R1242

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 35148

จุดตรวจวัด : บ้านวังตาลหม่อน (A1)

วันที่ตรวจวัด : 8-15 ธันวาคม 2566



**COPY**

แผนผังทิศทางและความเร็วลม

Request No. LA66-R1242

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 35148

จุดตรวจวัด : บ้านวังตาลหม้อ (A1)

วันที่ตรวจวัด : 8-15 ธันวาคม 2566

เวลา	8-9 ธันวาคม 2566		9-10 ธันวาคม 2566		10-11 ธันวาคม 2566		11-12 ธันวาคม 2566		12-13 ธันวาคม 2566		13-14 ธันวาคม 2566		14-15 ธันวาคม 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
09:00-10:00	0.4	NNE	0.4	NNE	0.4	NNE	0.4	N	0.4	NNE	0.9	NNE	1.8	NNE
10:00-11:00	0.4	NNE	0.9	NNE	0.9	NNE	0.9	N	0.4	NNE	1.3	NNE	1.8	NNE
11:00-12:00	1.3	NNE	0.9	NE	0.9	NNE	0.9	N	0.9	NNE	1.8	NNE	1.8	NE
12:00-13:00	1.3	NNE	1.8	NE	1.8	NNE	0.9	N	1.3	NNE	1.8	NNE	1.3	NE
13:00-14:00	0.9	NNE	0.9	NE	1.3	NE	1.3	N	1.8	NNE	1.8	NNE	0.9	NE
14:00-15:00	0.9	NNE	0.9	NE	1.3	NE	1.3	N	1.3	NNE	1.8	NNE	1.3	NE
15:00-16:00	0.9	N	0.9	NE	1.3	NE	1.3	N	0.9	NNE	1.8	NNE	0.9	NE
16:00-17:00	1.8	N	2.2	NE	1.8	NE	1.3	N	0.9	NNE	1.3	N	0.9	NE
17:00-18:00	1.3	N	1.3	NE	1.8	NE	1.3	N	1.3	NNE	1.3	N	0.4	NE
18:00-19:00	0.9	N	0.9	NNE	0.9	NE	0.9	NNE	0.9	NNE	0.9	N	0.4	NE
19:00-20:00	0.4	NNE	0.4	NNE	0.4	NNE	0.4	NNE	0.4	NNE	0.0	-	0.4	NE
20:00-21:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	N	0.4	NNE
21:00-22:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	N	0.0	-
22:00-23:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.9	N	0.0	-
23:00-00:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.9	N	0.0	-
00:00-01:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE
01:00-02:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE	0.0	-
03:00-04:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
08:00-09:00	0.9	NNE	0.0	-	0.0	-	0.0	-	0.4	NNE	0.9	NNE	0.4	NNE

~~COPY~~

แผนผังทิศทางและความเร็วลม

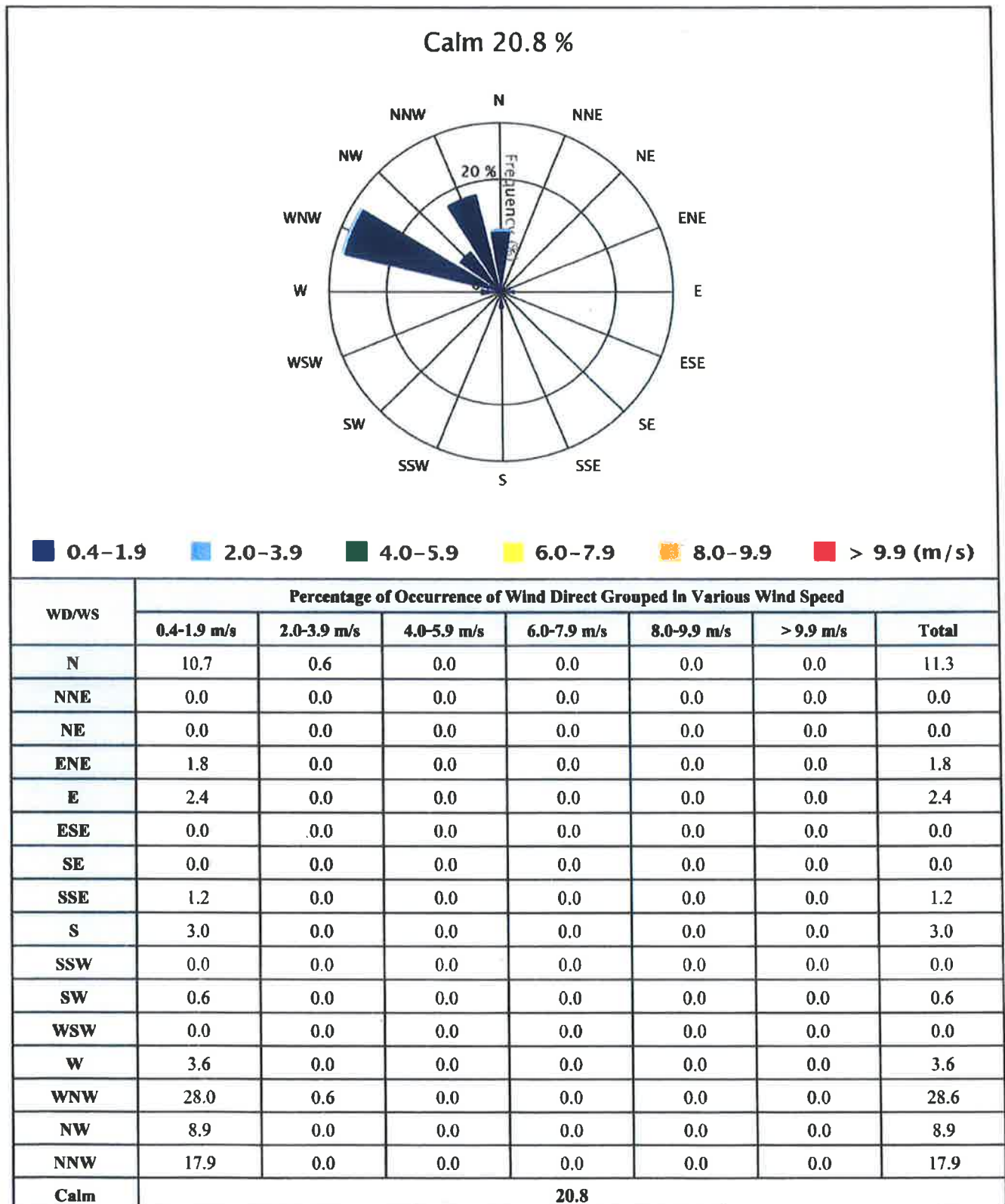
Request No. LA66-R1242

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 35147

จุดตรวจวัด : วัดราษฎร์ธรราม (A2)

วันที่ตรวจวัด : 8-15 ธันวาคม 2566



**COPY**



## แผนผังทิศทางและความเร็วลม

Request No. LA66-R1242

บริษัท อมตะซีดี ระยอง จำกัด

Sample No. 35147

จุดตรวจวัด : วัดราษฎร์อัสตาราม (A2)

วันที่ตรวจวัด : 8-15 ธันวาคม 2566

เวลา	8-9 ธันวาคม 2566		9-10 ธันวาคม 2566		10-11 ธันวาคม 2566		11-12 ธันวาคม 2566		12-13 ธันวาคม 2566		13-14 ธันวาคม 2566		14-15 ธันวาคม 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
09:00-10:00	0.4	WNW	0.4	WNW	1.8	N	1.3	W	0.4	S	0.9	WNW	1.3	WNW
10:00-11:00	0.4	NNW	0.4	NNW	2.2	N	1.3	NW	0.4	SSE	0.9	WNW	1.3	WNW
11:00-12:00	0.4	N	0.4	NW	1.3	N	1.3	WNW	0.4	NNW	0.9	N	1.3	WNW
12:00-13:00	0.9	WNW	0.9	NNW	1.3	WNW	0.9	WNW	0.9	E	1.3	NNW	0.9	WNW
13:00-14:00	0.9	W	0.9	NNW	0.9	WNW	0.9	WNW	0.9	E	1.3	WNW	0.9	N
14:00-15:00	0.4	NW	0.4	NW	0.9	NNW	0.9	WNW	0.9	E	0.9	N	0.4	WNW
15:00-16:00	0.4	WNW	0.9	ENE	0.4	WNW	0.9	NNW	0.4	S	0.9	NW	0.4	WNW
16:00-17:00	0.4	WNW	0.9	NNW	0.9	NNW	0.4	NW	0.9	SW	0.9	N	0.4	N
17:00-18:00	0.9	WNW	0.9	NNW	0.9	NW	0.4	W	0.9	S	0.9	N	0.0	-
18:00-19:00	1.3	WNW	0.9	WNW	0.9	NNW	0.9	WNW	0.4	S	0.4	NNW	0.4	SSE
19:00-20:00	0.9	NNW	1.3	NNW	0.9	NNW	1.3	WNW	0.0	-	0.4	N	0.0	-
20:00-21:00	0.9	NW	0.9	N	0.4	NW	1.3	NNW	0.0	-	0.4	N	0.0	-
21:00-22:00	0.9	W	0.4	WNW	0.9	ENE	1.3	NNW	0.0	-	0.4	N	0.4	WNW
22:00-23:00	0.9	WNW	0.4	W	0.9	NW	1.3	NNW	0.0	-	0.0	-	0.4	WNW
23:00-00:00	1.3	WNW	0.4	NW	0.4	NNW	1.8	NW	0.0	-	0.0	-	0.0	-
00:00-01:00	1.8	NNW	0.0	-	0.4	NNW	1.3	ENE	0.0	-	0.0	-	0.0	-
01:00-02:00	2.2	WNW	0.0	-	0.0	-	1.3	NW	0.0	-	0.4	WNW	0.0	-
02:00-03:00	1.8	NNW	0.4	WNW	1.3	WNW	1.3	NNW	0.0	-	0.0	-	0.0	-
03:00-04:00	1.3	WNW	0.0	-	0.9	NNW	0.9	NNW	0.0	-	0.4	WNW	0.0	-
04:00-05:00	1.3	WNW	0.9	N	1.3	NW	0.9	WNW	0.0	-	0.0	-	0.0	-
05:00-06:00	1.3	WNW	1.3	N	1.3	W	0.4	NNW	0.0	-	0.4	WNW	0.0	-
06:00-07:00	1.3	WNW	1.3	N	1.3	WNW	0.9	N	0.0	-	0.4	WNW	0.0	-
07:00-08:00	1.3	NNW	1.3	N	1.8	WNW	0.9	E	0.0	-	0.0	-	0.0	-
08:00-09:00	0.9	NW	1.3	NNW	1.8	NNW	0.4	S	0.4	WNW	0.9	WNW	0.4	WNW

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## แผนผังทิศทางและความเร็วลม

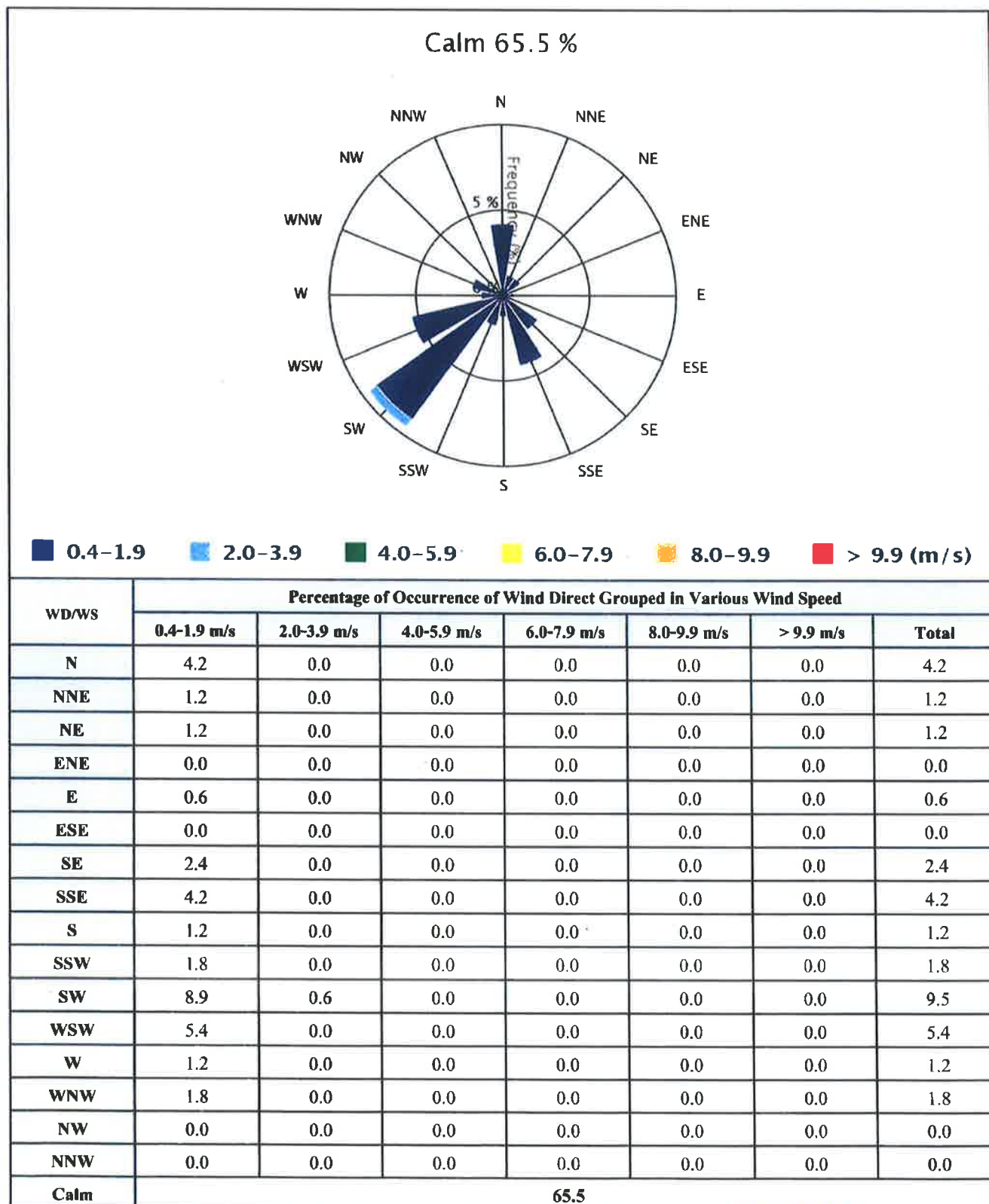
Request No. LA66-R1242

บริษัท อมตะชีวิต ระยะเวลา จำกัด

Sample No. 35149

จุดตรวจวัด : โรงเรียนบ้านภูไทร (A3)

วันที่ตรวจวัด : 8-15 ธันวาคม 2566



COPY



## แผนผังทิศทางและความเร็วลม

Request No. LA66-R1242

บริษัท อมตะซีดี ระยอง จำกัด

Sample No. 35149

จุดตรวจวัด : โรงเรียนบ้านภูไทร (A3)

วันที่ตรวจวัด : 8-15 ธันวาคม 2566

เวลา	8-9 ธันวาคม 2566		9-10 ธันวาคม 2566		10-11 ธันวาคม 2566		11-12 ธันวาคม 2566		12-13 ธันวาคม 2566		13-14 ธันวาคม 2566		14-15 ธันวาคม 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
10:00-11:00	0.4	N	0.4	SE	0.0	-	0.4	SSW	0.4	E	0.0	-	0.4	NE
11:00-12:00	0.0	-	0.9	SSW	0.4	NE	0.0	-	0.4	S	0.4	SE	0.4	N
12:00-13:00	0.9	S	0.4	SE	0.4	SSE	0.4	NNE	0.0	-	0.4	SSE	0.4	N
13:00-14:00	0.9	SSW	0.9	SW	1.3	SW	0.4	SSE	0.9	SSE	0.4	N	0.9	SW
14:00-15:00	0.0	-	0.4	N	0.4	WNW	0.9	SW	1.3	SSE	0.4	NNE	0.4	SSE
15:00-16:00	0.4	WSW	0.9	SW	0.9	WSW	0.4	WNW	0.9	SW	0.4	SE	0.4	N
16:00-17:00	0.9	WSW	1.8	SW	1.8	SW	0.4	WNW	0.4	N	0.4	SSE	0.4	W
17:00-18:00	0.4	WSW	2.2	SW	1.8	SW	0.4	W	0.4	WSW	0.0	-	0.0	-
18:00-19:00	0.0	-	1.3	WSW	0.9	SW	0.4	WSW	0.4	WSW	0.4	WSW	0.4	SW
19:00-20:00	0.4	SW	0.4	SW	0.0	-	0.0	-	0.0	-	0.4	SW	0.0	-
20:00-21:00	0.4	SW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
21:00-22:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
22:00-23:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
23:00-00:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
00:00-01:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
09:00-10:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-

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## Test Report

Request No : W6606497

Report No : 6606-2592

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66061878

Sample Name : Equalization Tank\*\*

Sampling Date : 19/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 01/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	45.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	162	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.1	≤10
pH (on site) *		Electrometric Method	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,184	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	49	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ก-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS-Plant) \*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ก-4377)  
01/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
01/07/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6606497

Report No : 6606-2592

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66061878

Sample Name : Equalization Tank

Sampling Date : 19/06/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 01/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	286	-

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 ]

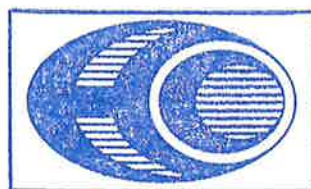
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ก-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

01/07/2023

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## Test Report

Request No : W6606633

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6607-0543

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66062394

Sample Name : Equalization Tank\*\*

Sampling Date : 26/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 10/07/2023

Reported Date : 10/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	53.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	177	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	8.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	940	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	27	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	43	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 (ว-003-ก-7281) \*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS-Plan)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ก-4377)

10/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-4367)

10/07/2023

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## Test Report

Request No : W6606633

Report No : 6607-0543

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66062394

Sample Name : Equalization Tank

Sampling Date : 26/06/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 10/07/2023

Reported Date : 10/07/2023

Parameter	Unit	Method	Result	Standard/I
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	295	-

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./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 (จ-003-ค-7281)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

10/07/2023

## Test Report

Request No : W6607059

Report No : 6607-1890

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66070285

Sample Name : Equalization Tank\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 20/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0027	≤0.25
Barium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	56.5	≤500
Cadmium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	172	≤750

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

25/07/2023

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## Test Report

Request No : W6607059

Report No : 6607-1890

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66070285

Sample Name : Equalization Tank\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 20/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	23	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	20	≤600
Copper *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤2
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation,Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)
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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)\*
5. \*\* = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทงชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-4377)  
25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-4367)  
25/07/2023

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## Test Report

Request No : W6607059

Report No : 6607-1890

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66070285

Sample Name : Equalization Tank \*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 20/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
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)	0.21	≤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)	0.12	≤1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	4.1	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayaseewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

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 : W6607059

Report No : 6607-1890

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66070285

Sample Name : Equalization Tank\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 20/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.054	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	0.86	≤1
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	856	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	33	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	53	≤200

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

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

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## Test Report

Request No : W6607059

Report No : 6607-1890

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66070285

Sample Name : Equalization Tank\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 20/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	0.12	≤0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.71	≤5

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS-Plant)\*\*

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 : W6607059

Report No : 6607- 1890

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66070285

Sample Name : Equalization Tank

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 20/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	258	-
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.1	≤1
Fluoride	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	1.16	≤5
Iron	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.64	≤10
Silver	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	≤1
Surfactants	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	< 0.40	≤30

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

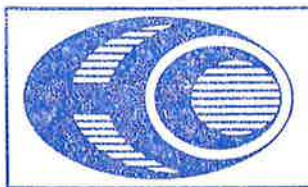
Remark : 1. /l Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

25/07/2023

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

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Request No. W6607059

Report No. 6607-1890

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##  
Sample Name : Equalization Tank  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 04/07/2023 – 20/07/2023  
Sample No. : W 66070285  
Sampling Date : 03/07/2023  
Sampling Time : 10:35 AM  
Received Date : 04/07/2023  
Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****


Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด  
3. Sampling By Mr. Warakorn Vitayaseewee (ว-003-ค-7283)  
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-4377)  
25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
( Miss Nunnaphat Bakhuntod )  
(ว-003-ค-4367)  
25/07/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607292

Report No : 6607-1902

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66071076

Sample Name : Equalization Tank \*\*

Sampling Date : 10/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

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)	37.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	149	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,028	≤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)	65	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
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 Mr. Supharerk Phatklang (จ-003-ก-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

25/07/2023

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## Test Report

Request No : W6607292

Report No : 6607-1902

Customer : Amata City Rayong Co., Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66071076

Sample Name : Equalization Tank

Sampling Date : 10/07/2023

Sampling By : ETC

Sampling Time : 11:00 AM

Sampling Method : Grab

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	325	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (๓-๐๐๓-๖-๕๖๓๗)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

25/07/2023

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## Test Report

Request No : W6607447

Report No : 6608-0142

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66071609

Sample Name : Equalization Tank\*\*

Sampling Date : 17/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:05 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	43.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	140	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.6	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,012	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	24	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	55	≤200

Physical Appearance : 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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (จ-003-จ-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (C-Solar)

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)  
02/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
02/08/2023

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## Test Report

Request No : W6607447

Report No : 6608-0142

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66071609

Sample Name : Equalization Tank

Sampling Date : 17/07/2023

Sampling By : ETC

Sampling Time : 11:05 AM

Sampling Method : Grab

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	284	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (ว-003-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

02/08/2023

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## Test Report

Request No : W6607556, W6608155, W6609088

Report No : 6609-0576-1, 6609-0578, 6609-0579

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66072019, W 66080645, W 66090368

Sample Name : Equalization Tank\*\*

Sampling Date : 24/07/2023, 07/08/2023, 04/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM, 9:20 AM, 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 25/07/2023, 08/08/2023, 05/09/2023

Tested Date : 25/07/2023 - 01/08/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #/2	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	78.7	≤500
Chemical Oxygen Demand #/2	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	305	≤750
Oil and Grease */3	mg/L	Partition-Gravimetric Method (SM:5520B)	3.2	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,028	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	30	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	98	≤200

Physical Apperance : 1. Sample : yellow, turbid

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

Remark : 1./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2./2 Sample No. W66080645 : Sampling Date 07/08/2023 (9:20 AM) : Tested Date 08/08/2023 - 16/08/2023

3./3 Sample No. W66090368 : Sampling Date 04/09/2023 (10:15 AM) : Tested Date 05/09/2023 - 12/09/2023

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

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

6. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ก-0016)\*

7. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant) \*\*

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

13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)  
13/09/2023

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## Test Report

Request No : W6607556

Report No : 6609-0576

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66072019

Sample Name : Equalization Tank

Sampling Date : 24/07/2023

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 01/08/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	241	

Physical Apperance : 1. Sample : yellow, turbid

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

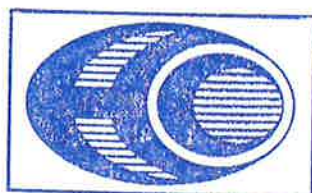
Remark : 1./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

13/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608156, W 6609087

Report No : 6609-0573-1, 6609-0575

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66080646, W 66090367

Sample Name : Equalization Tank \*\*

Sampling Date : 07/08/2023, 04/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:20 AM, 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023, 05/09/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	78.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	305	≤750
Oil and Grease <sup>*/2</sup>	mg/L	Partition-Gravimetric Method (SM:5520B)	3.2	≤10
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,084	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	31	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	85	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2./2 Sample No. W66090367 : Sampling Date 04/09/2023 (10:15 AM) : Tested Date 04/09/2023 - 12/09/2023

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (จ-003-ค-0031)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

13/09/2023

SUPPLEMENT TO TEST REPORT NO. 6609-0573



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

13/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608156

Customer : Amata City Rayong Co.,Ltd.

Report No : 6609-0573

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66080646

Sample Name : Equalization Tank

Sampling Date : 07/08/2023

Sampling By : ETC

Sampling Time : 9:20 AM

Sampling Method : Grab

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	296	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

13/09/2023

## Test Report

Request No : W 6608341

Report No : 6608-1980

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66081187

Sample Name : Equalization Tank\*\*

Sampling Date : 14/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	34.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	118	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	900	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	34	≤200

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. /l Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)


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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
26/08/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
26/08/2023

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## Test Report

Request No : W6608341

Report No : 6608-1980

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66081187

Sample Name : Equalization Tank

Sampling Date : 14/08/2023

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	240	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/08/2023

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## Test Report

Request No : W6608488

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6608-2434

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66081744

Sample Name : Equalization Tank\*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 28/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	38.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	146	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.4	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	768	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	31	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	60	≤200

Physical Apperance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
31/08/2023

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## Test Report

Request No : W6608488

Report No : 6608-2434

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66081744

Sample Name : Equalization Tank

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 28/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	267	-

Physical Apperance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

31/08/2023

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## Test Report

Request No : W6608598

Report No : 6609-0211

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66082219

Sample Name : Equalization Tank \*\*

Sampling Date : 28/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 04/09/2023

Reported Date : 05/09/2023

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	81.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	254	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	972	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	66	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

05/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

05/09/2023

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## Test Report

Request No : W6608598

Report No : 6609-0211

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66082219

Sample Name : Equalization Tank

Sampling Date : 28/08/2023

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 04/09/2023

Reported Date : 05/09/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	213	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/09/2023





## EASTERN THAI CONSULTING 1992 CO., LTD.

883 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



TESTING  
No.0159

### Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##  
Sample Name : Equalization Tank\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 05/09/2023 - 12/09/2023


Request No : W6609086  
Report No : 6609-0565

Sample No : W 66090365  
Sampling Date : 04/09/2023\*\*  
Sampling Time : 10:15 AM\*\*  
Received Date : 05/09/2023  
Reported Date : 13/09/2023


Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	64.6	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	178	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.2	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	984	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	24	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	49	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*  
5. \*\* = These data are non laboratory data.  
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
13/09/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
13/09/2023

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## Test Report

Request No : W6609086

Report No : 6609-0565

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง: แห่งที่ 1 ##

Sample No : W 66090365

Sample Name : Equalization Tank

Sampling Date : 04/09/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	206	

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 ]

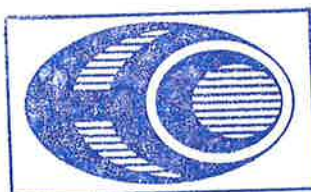
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

13/09/2023

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## Test Report

Request No : W6609287

Report No : 6609-1598

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66091129

Sample Name : Equalization Tank\*\*

Sampling Date : 11/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:05 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 22/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	115	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	251	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	944	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	26	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	70	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

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

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## Test Report

Request No : W6609287

Report No : 6609-1598

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66091129

Sample Name : Equalization Tank

Sampling Date : 11/09/2023

Sampling By : ETC

Sampling Time : 10:05 AM

Sampling Method : Grab

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 22/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	238	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/09/2023

## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample Name : Equalization Tank\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 19/09/2023 - 26/09/2023

Sample No : W 66091707

Sampling Date : 18/09/2023\*\*

Sampling Time : 9:40 AM\*\*

Received Date : 19/09/2023

Reported Date : 28/09/2023

Request No : W6609458

Report No : 6609-2051

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	65.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	219	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,204	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	77	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS PLANT)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

28/09/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6609458

Customer : Amata City Rayong Co.,Ltd.

Report No : 6609-2051

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66091707

Sample Name : Equalization Tank

Sampling Date : 18/09/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	348	

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/09/2023

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## Test Report

Request No : W6609582

Report No : 6610-0147


Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##  
Sample Name : Equalization Tank\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 26/09/2023 - 02/10/2023

Sample No : W 66092173  
Sampling Date : 25/09/2023\*\*  
Sampling Time : 10:50 AM\*\*  
Received Date : 26/09/2023  
Reported Date : 03/10/2023

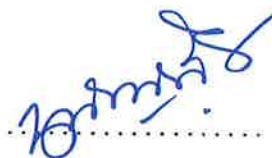
Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	33.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	131	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	972	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	52	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
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 Mr. Parkpoom Buasawad (ว-003-ค-0017)\*  
5. \*\* = These data are non laboratory data.  
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
03/10/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
03/10/2023

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## Test Report

Request No : W6609582

Report No : 6610-0147

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66092173

Sample Name : Equalization Tank

Sampling Date : 25/09/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 03/10/2023

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	322	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

03/10/2023

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## Test Report

Request No : W6610028, W6611356

Report No : 6610-1119-1, 6611-1835

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100145, W 66111272

Sample Name : Equalization Tank\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM, 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

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

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0044	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	45.8	≤500
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	174	≤750

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66111272 : Sampling Date 13/11/2023 (10:00 AM) : Tested Date 14/11/2023 - 16/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/11/2023

SUPPLEMENT TO TEST REPORT NO. 6610-1119



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/11/2023

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## Test Report

Request No : W6610028, W6611356

Report No : 6610-1119-1, 6611-1835

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100145, W66111272

Sample Name : Equalization Tank\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM, 10:00AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

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

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	26	≤600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	27	≤600
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.15	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66111272 : Sampling Date 13/11/2023 (10:00 AM) : Tested Date 14/11/2023 - 16/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
23/11/2023

SUPPLEMENT TO TEST REPORT NO. 6610-1119



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
23/11/2023

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## Test Report

Request No : W6610028, W6611356

Report No : 6610-1119-1,6611-1835

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100145, W 66111272

Sample Name : Equalization Tank\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM, 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

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

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.09	≤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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	4.1	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66111272 : Sampling Date 13/11/2023 (10:00 AM) : Tested Date 14/11/2023 - 16/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data. /## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/11/2023

SUPPLEMENT TO TEST REPORT NO. 6610-1119



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/11/2023

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## Test Report

Request No : W6610028, W6611356

Report No : 6610-1119-1,6611-1835

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100145, W 66111272

Sample Name : Equalization Tank\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM, 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

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

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.096	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide */2	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500-S2-F)	0.83	≤1
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	980	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	24	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	76	≤200

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66111272 : Sampling Date 13/11/2023 (10:00 AM) : Tested Date 14/11/2023 - 16/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

SUPPLEMENT TO TEST REPORT NO. 6610-1119

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/11/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/11/2023

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## Test Report

Request No : W6610028, W6611356

Report No : 6610-1119-1,6611-1835

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100145, W 66111272

Sample Name : Equalization Tank\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM, 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

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

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.45	≤5

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66111272 : Sampling Date 13/11/2023 (10:00 AM) : Tested Date 14/11/2023 - 16/11/2023

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

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

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5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

SUPPLEMENT TO TEST REPORT NO. 6610-1119

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)  
23/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)  
23/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample Name : Equalization Tank\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

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

Request No : W6610028

Report No : 6610-1119

Sample No : W 66100145

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

Sampling Time : 11:00 AM\*\*

Received Date : 03/10/2023

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Chloride *	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	231	-
Chlorine (Residual) *	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.1	≤1
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	0.76	≤5
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.99	≤10
Silver @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	≤1
Surfactants *	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	1.11	≤30

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad\*

5. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

18/10/2023

Request No. W6610028

Report No. 6610-1119

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ## Sample No. : W 66100145  
Sample Name : Equalization Tank Sampling Date : 02/10/2023  
Sampling By : ETC Sampling Time : 11:00 AM  
Sampling Method : Grab Received Date : 03/10/2023  
Tested Date : 03/10/2023 – 12/10/2023 Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
<b>Organochlorine Pesticides</b>				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

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

Examined By 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

( Miss Nunnaphat Bakhuntod )

(ว-003-ค-0005)

18/10/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6610237

Report No : 6610-1644

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100914

Sample Name : Equalization Tank \*\*

Sampling Date : 09/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	95.6	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	246	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	4.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,248	≤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 degree celsius (SM:2540D)	76	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Pornpinan Viriyakusolkul (จ-003-ค-0036)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
24/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
24/10/2023

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## Test Report

Request No : W6610237

Report No : 6610-1644

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66100914

Sample Name : Equalization Tank

Sampling Date : 09/10/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	269	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Pornpinan Viriyakusolkul

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/10/2023

## Test Report

Request No : W6610378

Report No : 6610-2057

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66101373

Sample Name : Equalization Tank \*\*

Sampling Date : 16/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:05 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 27/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	120	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,240	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	17	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	42	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

28/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

28/10/2023

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## Test Report

Request No : W6610378

Report No : 6610-2057

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66101373

Sample Name : Equalization Tank

Sampling Date : 16/10/2023

Sampling By : ETC

Sampling Time : 9:05 AM

Sampling Method : Grab

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 27/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	282	-

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. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/10/2023

## Test Report

Request No : W6610558

Report No : 6611-0171

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66101944

Sample Name : Equalization Tank \*\*

Sampling Date : 25/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 03/11/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	56.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	207	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	3.5	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,236	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	68	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

03/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

03/11/2023

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## Test Report

Request No : W6610558

Report No : 6611-0171

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66101944

Sample Name : Equalization Tank

Sampling Date : 25/10/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 03/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	233	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

03/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611150

Report No : 6611-1150

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง: แห่งที่ 1 ##

Sample No : W 66110656

Sample Name : Equalization Tank\*\*

Sampling Date : 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:05 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/11/2023

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

Reported Date : 16/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	133	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	271	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,148	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	24	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	77	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
16/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
16/11/2023

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## Test Report

Request No : W6611150

Report No : 6611-1150

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66110656

Sample Name : Equalization Tank

Sampling Date : 06/11/2023

Sampling By : ETC

Sampling Time : 10:05 AM

Sampling Method : Grab

Received Date : 07/11/2023

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

Reported Date : 16/11/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	281	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

16/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611357

Report No : 6611-1878

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66111273

Sample Name : Equalization Tank \*\*

Sampling Date : 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	42.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	172	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	3.6	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	888	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	53	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

24/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

24/11/2023

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## Test Report

Request No : W6611357

Report No : 6611-1878

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66111273

Sample Name : Equalization Tank

Sampling Date : 13/11/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	222	-

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 ]

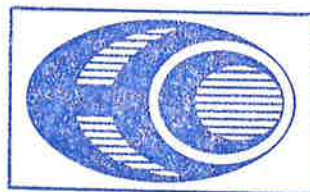
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

24/11/2023

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## Test Report

Request No : W6611496

Report No : 6611-2272

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง: แห่งที่ 1 ##

Sample No : W 66111654

Sample Name : Equalization Tank \*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 28/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	29.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	121	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	6.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,140	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	24	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	49	≤200

Physical Appearance : 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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Metee Sukprasert (จ-003-ค-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AST Plant)

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
30/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611496

Report No : 6611-2272

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66111654

Sample Name : Equalization Tank

Sampling Date : 20/11/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 28/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	229	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Metee Sukprasert

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

30/11/2023

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## Test Report

Request No : W6611611

Report No : 6612-0070

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66111965

Sample Name : Equalization Tank \*\*

Sampling Date : 27/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	58.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	157	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,020	≤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 degree celsius (SM:2540D)	48	≤200

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. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ท-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

06/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

06/12/2023

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## Test Report

Request No : W6611611

Report No : 6612-0070

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66111965

Sample Name : Equalization Tank

Sampling Date : 27/11/2023

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	193	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

06/12/2023

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## Test Report

Request No : W6612100

Report No : 6612-1081

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##  
Sample Name : Equalization Tank \*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 06/12/2023 - 12/12/2023

Sample No : W 66120399  
Sampling Date : 04/12/2023\*\*  
Sampling Time : 10:40 AM\*\*  
Received Date : 06/12/2023  
Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	21.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	70	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,432	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	14	≤200

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
21/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

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

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## Test Report

Request No : W6612100

Report No : 6612-1081

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66120399

Sample Name : Equalization Tank

Sampling Date : 04/12/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 12/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	315	-

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

21/12/2023



## Test Report

Request No : W6612289

Report No : 6612-1287

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66121007

Sample Name : Equalization Tank\*\*

Sampling Date : 11/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 21/12/2023

Reported Date : 22/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	87.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	245	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,140	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	26	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	91	≤200

Physical Apperance : 1. Sample : yellow, turbid

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
22/12/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
22/12/2023

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**Test Report**

Request No : W6612289

Report No : 6612-1287

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 66121007

Sample Name : Equalization Tank

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 21/12/2023

Reported Date : 22/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	311	-

Physical Apperance : 1. Sample : yellow, turbid

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

Remark : 1./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/12/2023

## Test Report

Request No : W 6606499

Report No : 6606-2594

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66061881

Sample Name : Influent\*\*

Sampling Date : 19/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 01/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	44.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	216	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	4.9	≤10
pH (on site) *		Electrometric Method	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	936	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	93	≤200

Physical Appearance : 1. Sample : yellowish, turbid

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ก-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By :

(Miss Apiradee Chuen-arom)  
(จ-003-ก-4377)  
01/07/2023



Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
01/07/2023

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

## Test Report

Request No : W6606499

Report No : 6606-2594

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66061881

Sample Name : Influent

Sampling Date : 19/06/2023

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 01/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	195	-

Physical Apperance : 1. Sample : yellowish, turbid

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

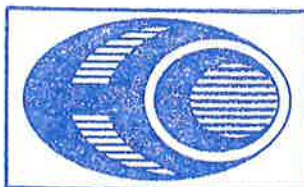
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (ว-003-ก-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

01/07/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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## Test Report

Request No : W6606634

Report No : 6607-0405

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง; แห่งที่ 2 ##

Sample No : W 66062396

Sample Name : Influent\*\*

Sampling Date : 26/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 06/07/2023

Reported Date : 07/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	34.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	149	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	880	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	29	≤200

Physical Appearance : 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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 (ว-003-ค-7281) \*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroong Plaeng)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

07/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

07/07/2023

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





## Test Report

Request No : W6606634

Report No : 6607-0405

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66062396

Sample Name : Influent

Sampling Date : 26/06/2023

Sampling By : ETC

Sampling Time : 10:55 AM

Sampling Method : Grab

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 06/07/2023

Reported Date : 07/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	175	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 (ว-003-ค-7281)

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

07/07/2023

## Test Report

Request No : W6607060, W 6608159

Report No : 6607-1422-1, 6608-1330

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070286, W 66080652

Sample Name : Influent\*\*

Sampling Date : 03/07/2023, 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM, 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023, 08/08/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 18/08/2023

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)	0.09	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	46.6	≤500
Cadmium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	165	≤750

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2./2 Sample No. W66080652 : Sampling Date 07/08/2023 (10:15 AM) : Tested Date 08/08/2023 - 16/08/2023

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

4. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ค-7283)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krota Plant)\*\*

Examined By :

(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
18/08/2023

SUPPLEMENT TO TEST REPORT No. 6607-1422



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
18/08/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6607060, W 6608159

Report No : 6607-1422-1, 6608-1330

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070286, W 66080652

Sample Name : Influent\*\*

Sampling Date : 03/07/2023, 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM, 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023, 08/08/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 18/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
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
Formaldehyde *	mg/L	Distillation,Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2./2 Sample No. W66080652 : Sampling Date 07/08/2023 (10:15 AM) : Tested Date 08/08/2023 - 16/08/2023

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

4. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited. Sampling By Mr. Warakorn Vitayasewee (จ-003-ค-7283)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By :

(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
18/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
18/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607060, W 6608159

Report No : 6607-1422-1, 6608-1330

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070286, W 66080652

Sample Name : Influent\*\*

Sampling Date : 03/07/2023, 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM, 10:15 AM\*\*

Sampling Method : Grazb\*\*

Received Date : 04/07/2023, 08/08/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 18/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.12	≤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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.9	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2./2 Sample No. W66080652 : Sampling Date 07/08/2023 (10:15 AM) : Tested Date 08/08/2023 - 16/08/2023

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

4. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ก-7283)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
18/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
18/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607060, W 6608159

Report No : 6607-1422-1, 6608-1330

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070286, W 66080652

Sample Name : Influent\*\*

Sampling Date : 03/07/2023, 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM, 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023, 08/08/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 18/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.028	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	0.60	≤1
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	812	≤3000
Total Kjeldahl Nitrogen */2	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)	63	≤200

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66080652 : Sampling Date 07/08/2023 (10:15 AM) : Tested Date 08/08/2023 - 16/08/2023

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

4. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
18/08/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
18/08/2023

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## Test Report

Request No : W6607060, W 6608159

Report No : 6607-1422-1, 6608-1330

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070286, W 66080652

Sample Name : Influent\*\*

Sampling Date : 03/07/2023, 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM, 10:15\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023, 08/08/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 18/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.40	≤ 5

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66080652 : Sampling Date 07/08/2023 (10:15 AM) : Tested Date 08/08/2023 - 16/08/2023

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

4. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ท-7283)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ท-4445)  
18/08/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-4367)  
18/08/2023

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



## Test Report

Request No : W6607060

Report No : 6607-1422

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 04/07/2023 - 14/07/2023

Sample No : W 66070286

Sampling Date : 03/07/2023

Sampling Time : 8:55 AM

Received Date : 04/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	164	-
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.2	≤1
Fluoride	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	<0.50	≤5
Iron	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.37	≤10
Silver	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.05	≤1
Surfactants	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	<0.40	≤30

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

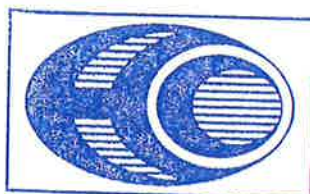
Remark : 1. /l Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Jiraporn Pankong)

19/07/2023

Request No. W6607060

Report No. 6607-1422

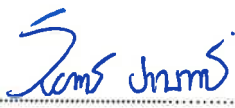
## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
 Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
 Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##  
 Sample Name : Influent  
 Sampling By : ETC  
 Sampling Method : Grab  
 Tested Date : 04/07/2023 – 14/07/2023  
 Sample No. : W 66070286  
 Sampling Date : 03/07/2023  
 Sampling Time : 8:55 AM  
 Received Date : 04/07/2023  
 Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****


Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling  
 2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
 2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด  
 3. Sampling By Mr. Warakorn Vitayasee (ว-003-ท-7283)  
 4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By   
 ( Miss Jiraporn Pankong )  
 (ว-003-ท-4445)  
 19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
 ( Miss Nunnaphat Bakhuntod )  
 (ว-003-ท-4367)  
 19/07/2023

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## Test Report

Request No : W6607293

Report No : 6607-1904

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071078

Sample Name : Influent\*\*

Sampling Date : 10/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

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)	54.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	254	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.2	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	788	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	73	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (จ-003-ก-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทั้งชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ก-4377)  
25/07/2023



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 : W6607293

Report No : 6607-1904

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071078

Sample Name : Influent

Sampling Date : 10/07/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	151	-

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]

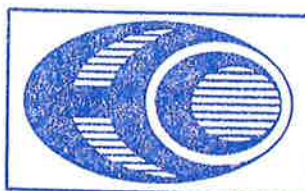
Remark : 1./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (1-003-จ-5637)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

25/07/2023



## Test Report

Request No : W6607448, W 6609460

Report No : 6608-0147-1, 6609-2045

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071611, W 66091711

Sample Name : Influent\*\*

Sampling Date : 17/07/2023, 18/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:55 AM, 9:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023, 19/09/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	47.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	219	≤750
Oil and Grease */2	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	892	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	59	≤200

Physical Appearance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W 66091711: Sampling Date 18/09/2023 (9:15 AM) : Tested Date 19/09/2023 - 26/09/2023

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (จ-003-จ-5637)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

28/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607448

Report No : 6608-0147

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 18/07/2023 - 27/07/2023

Sample No : W 66071611

Sampling Date : 17/07/2023

Sampling Time : 11:55 AM

Received Date : 18/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	167	-

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. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (0-003-0-5637)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/08/2023

## Test Report

Request No : W6607557

Report No : 6608-0489

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66072021

Sample Name : Influent\*\*

Sampling Date : 24/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 01/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	114	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	6.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	764	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	11	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	8	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ค-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kasong Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

04/08/2023

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## Test Report

Request No : W6607557

Report No : 6608-0489

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66072021

Sample Name : Influent

Sampling Date : 24/07/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 01/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	157	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ค-7279)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/08/2023

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## Test Report

Request No : W6608158

Report No : 6608-1717

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66080650

Sample Name : Influent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	30.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	168	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.9	≤10
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	812	≤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)	43	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)


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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krokin Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
23/08/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
23/08/2023

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## Test Report

Request No : W6608158

Report No : 6608-1717

Customer : Amata City Rayong Co., Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66080650

Sample Name : Influent

Sampling Date : 07/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	158	-

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
23/08/2023

## Test Report

Request No : W6608342

Report No : 6608-1982

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081189

Sample Name : Influent\*\*

Sampling Date : 14/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	118	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	712	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	8	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	14	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ก-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
26/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
26/08/2023



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**Test Report**

Request No : W6608342

Report No : 6608-1982

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081189

Sample Name : Influent

Sampling Date : 14/08/2023

Sampling By : ETC

Sampling Time : 9:15 AM

Sampling Method : Grab

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	152	-

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 ]

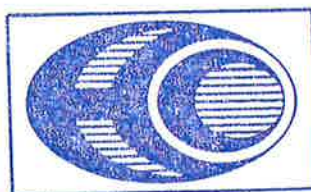
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

26/08/2023

## Test Report

Request No : W6608489

Report No : 6608-2432

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081746

Sample Name : Influent\*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 28/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	29.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	127	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	38	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	738	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	24	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

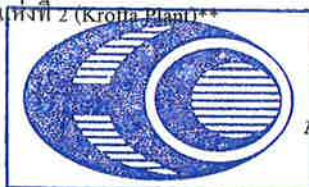
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

31/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608489

Report No : 6608-2432

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081746

Sample Name : Influent

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 28/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	176	-

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 ]

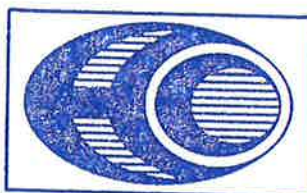
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

31/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608599

Report No : 6609-0209

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66082221

Sample Name : Influent\*\*

Sampling Date : 28/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 04/09/2023

Reported Date : 05/09/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	38.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	169	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.6	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	768	≤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 degree celsius (SM:2540D)	51	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
05/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
05/09/2023

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## Test Report

Request No : W6608599

Report No : 6609-0209

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66082221

Sample Name : Influent

Sampling Date : 28/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 04/09/2023

Reported Date : 05/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	163	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

05/09/2023

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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



TESTING  
No.0159

### Test Report

Request No : W6609090

Report No : 6609-0570

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66090371

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	43.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	149	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	780	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
13/09/2023

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## Test Report

Request No : W6609090

Report No : 6609-0570

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66090371

Sample Name : Influent

Sampling Date : 04/09/2023

Sampling By : ETC

Sampling Time : 11:10 AM

Sampling Method : Grab

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	162	-

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 ]

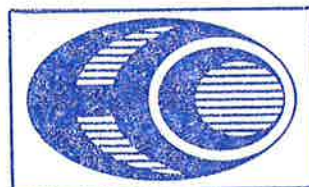
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

13/09/2023

## Test Report

Request No : W6609288

Report No : 6609-1600

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091131

Sample Name : Influent\*\*

Sampling Date : 11/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	61.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	178	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	4.5	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	672	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	52	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krota Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

23/09/2023

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## Test Report

Request No : W6609288

Report No : 6609-1600

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091131

Sample Name : Influent

Sampling Date : 11/09/2023

Sampling By : ETC

Sampling Time : 9:25 AM

Sampling Method : Grab

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	154	-

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 ]

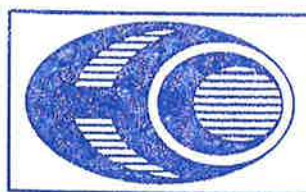
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

23/09/2023

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## Test Report

Request No : W6609459

Report No : 6609-2049

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091709

Sample Name : Influent\*\*

Sampling Date : 18/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	36.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	143	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	868	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	17	≤200

Physical Appearance : 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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ก-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krotha Plant) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
28/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6609459

Report No : 6609-2049

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091709

Sample Name : Influent

Sampling Date : 18/09/2023

Sampling By : ETC

Sampling Time : 9:15 AM

Sampling Method : Grab

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	158	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/09/2023

## Test Report

Request No : W6609583

Report No : 6610-0328

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66092175

Sample Name : Influent\*\*

Sampling Date : 25/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 05/10/2023

Reported Date : 06/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	70.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	274	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	800	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	98	≤200

Physical Apperance : 1. Sample : white, turbid

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kongka Phum)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

06/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

06/10/2023

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

## Test Report

Request No : W6609583

Report No : 6610-0328

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66092175

Sample Name : Influent

Sampling Date : 25/09/2023

Sampling By : ETC

Sampling Time : 11:40 AM

Sampling Method : Grab

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 05/10/2023

Reported Date : 06/10/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	234	-

Physical Apperance : 1. Sample : white, turbid

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
06/10/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6610029

Report No : 6610-1126

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100147

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

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)	0.07	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	37.3	≤500
Cadmium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	177	≤750

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krung Prae)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610029

Report No : 6610-1126

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100147

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
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
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (K. 10.2) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610029

Report No : 6610-1126

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100147

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

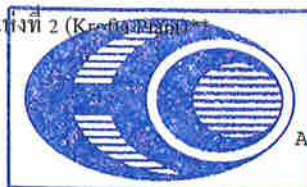
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kre-003-ค-0017)\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Influent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

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

Sample No : W 66100147

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

Sampling Time : 10:25 AM\*\*

Received Date : 03/10/2023

Reported Date : 18/10/2023

Request No : W6610029

Report No : 6610-1126

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.070	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	0.81	≤1
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	716	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	45	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ท-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

18/10/2023

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Influent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

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

Sample No : W 66100147

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

Sampling Time : 10:25 AM\*\*

Received Date : 03/10/2023

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion,Direct ICP Method; Filtration,Colorimetric Method;Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.07	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krom-Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610029

Report No : 6610-1126

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100147

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride *	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	138	-
Chlorine (Residual) *	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.3	≤1
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	≤5
Iron @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	≤10
Silver @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	≤1
Surfactants *	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	< 0.40	≤30

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad\*

5. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

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



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

18/10/2023

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Request No. W6610029

Report No. 6610-1126

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 03/10/2023 – 12/10/2023

Sample No. : W 66100147

Sampling Date : 02/10/2023

Sampling Time : 10:25 AM

Received Date : 03/10/2023

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0,5 L [ 6 Bottle]. PE 1.0 L, PE 1,8 L, G 1,0 L]

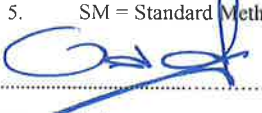
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

3. Sampling By Mr. Parkpoon Buasawad (ว-003-ค-0017)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

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

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610238

Report No : 6610-1646

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100916

Sample Name : Influent\*\*

Sampling Date : 09/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	32.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	175	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	3.3	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	684	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	62	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Pornpinan Viriyakusolkul (จ-003-ค-0036)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
24/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
24/10/2023

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## Test Report

Request No : W6610238

Report No : 6610- 1646

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100916

Sample Name : Influent

Sampling Date : 09/10/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	133	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Pornpinan Viriyakusolkul

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/10/2023

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## Test Report

Request No : W6610379

Report No : 6610-2062

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101375

Sample Name : Influent\*\*

Sampling Date : 16/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 27/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	33.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	130	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	820	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	8	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	27	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
28/10/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
28/10/2023

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## Test Report

Request No : W6610379

Report No : 6610 -2062

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101375

Sample Name : Influent

Sampling Date : 16/10/2023

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 27/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	203	-

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 ]

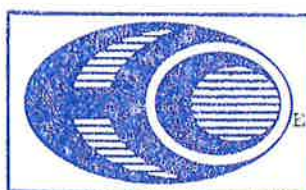
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

28/10/2023

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## Test Report

Request No : W6610559

Report No : 6611-0169

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง: แห่งที่ 2 ##

Sample No : W 66101946

Sample Name : Influent\*\*

Sampling Date : 25/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 03/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	137	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	860	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	18	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

03/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

03/11/2023

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## Test Report

Request No : W6610559

Report No : 6611-0169

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101946

Sample Name : Influent

Sampling Date : 25/10/2023

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 03/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	122	-

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 ]

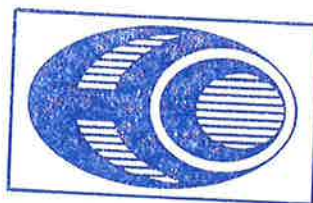
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

03/11/2023

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## Test Report


Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##  
Sample Name : Influent\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 07/11/2023 - 15/11/2023

Request No : W6611152  
Report No : 6611-1148  
Sample No : W 66110660  
Sampling Date : 06/11/2023\*\*  
Sampling Time : 11:05 AM\*\*  
Received Date : 07/11/2023  
Reported Date : 16/11/2023

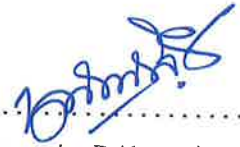
Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	35.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	151	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	752	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	35	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*  
5. \*\* = These data are non laboratory data.  
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
16/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
16/11/2023

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## Test Report

Request No : W6611152

Report No : 6611-1148

Customer : Amata City Rayong Co., Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66110660

Sample Name : Influent

Sampling Date : 06/11/2023

Sampling By : ETC

Sampling Time : 11:05 AM

Sampling Method : Grab

Received Date : 07/11/2023

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

Reported Date : 16/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	148	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

16/11/2023



## Test Report

Request No : W6611358

Report No : 6611-1876

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111275

Sample Name : Influent\*\*

Sampling Date : 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	44.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	182	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,064	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	16	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	51	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

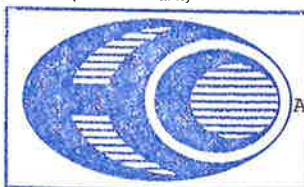
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

24/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

24/11/2023

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## Test Report

Request No : W6611358

Report No : 6611-1876

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111275

Sample Name : Influent

Sampling Date : 13/11/2023

Sampling By : ETC

Sampling Time : 9:35 AM

Sampling Method : Grab

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	159	-

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 ]

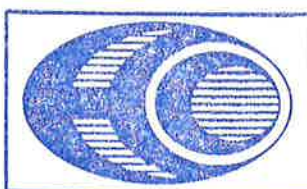
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/11/2023

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

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## Test Report

Request No : W6611497

Report No : 6611-2274

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111656

Sample Name : Influent\*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 28/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	37.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	156	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	3.6	≤10
pH (on site) *		Electrometric Method	6.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	612	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	28	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	72	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Metee Sukprasert (จ-003-ก-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
30/11/2023

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

Request No : W6611497

Report No : 6611-2274

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111656

Sample Name : Influent

Sampling Date : 20/11/2023

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 28/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	146	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Mctee Sukprasert

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

30/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611612

Report No : 6612-0068

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111967

Sample Name : Influent\*\*

Sampling Date : 27/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:05 AM\*\*

Sampling Method : Grab\*\*

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	48.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	210	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	5.9	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	832	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	19	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	76	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

06/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

06/12/2023

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THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
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## Test Report

Request No : W6611612

Report No : 6612-0068

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 28/11/2023 - 02/12/2023

Sample No : W 66111967

Sampling Date : 27/11/2023

Sampling Time : 10:05 AM

Received Date : 28/11/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	132	-

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. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

06/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6612102

Report No : 6612-1083

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66120403

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 14/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	53.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	171	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	696	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	15	≤200

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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.

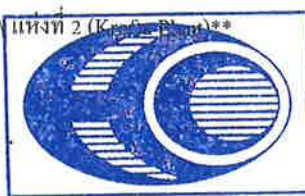
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kasab-Pond)\*\*

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

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6612102

Report No : 6612-1083

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66120403

Sample Name : Influent

Sampling Date : 04/12/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 14/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	133	-

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
21/12/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6612290

Report No : 6612-1289

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66121009

Sample Name : Influent\*\*

Sampling Date : 11/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 21/12/2023

Reported Date : 22/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	204	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	3.4	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	932	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	18	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	52	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (ว-003-ท-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ท-0007)  
22/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ท-0005)  
22/12/2023

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## Test Report

Request No : W6612290

Report No : 6612-1289

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66121009

Sample Name : Influent

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 21/12/2023

Reported Date : 22/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	140	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
22/12/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6606499

Report No : 6606-2595

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66061882

Sample Name : Effluent\*\*

Sampling Date : 19/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 01/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.9	≤20
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
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

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. /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.

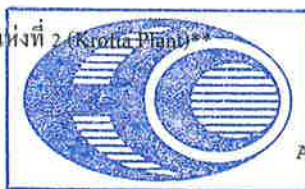
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)  
01/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
01/07/2023

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## Test Report

Request No : W6606499

Report No : 6606-2595

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66061882

Sample Name : Effluent \*\*

Sampling Date : 19/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 01/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	29	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	932	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	5	≤50
Zinc *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.90	≤5

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. /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 Mr. Songpon Phiwan (จ-003-ก-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

01/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

01/07/2023

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## Test Report

Request No : W6606634

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6607-0406

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66062397

Sample Name : Effluent\*\*

Sampling Date : 26/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 06/07/2023

Reported Date : 07/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.5	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	816	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	10	≤50

Physical Appearance : 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. /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.

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant) \*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)  
07/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)  
07/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6606634

Report No : 6607-0406

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66062397

Sample Name : Effluent

Sampling Date : 26/06/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 06/07/2023

Reported Date : 07/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	178	-

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]

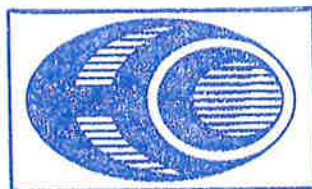
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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 (ว-003-ค-7281)

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....



(Miss Apiradee Chuen-arom)

07/07/2023

## Test Report

Request No : W6607060

Report No : 6607-1423

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070287

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0021	≤0.25
Barium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.3	≤20
Cadmium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	< 40	≤120

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By :

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
19/07/2023

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## Test Report

Request No : W 6607060

Report No : 6607-1423

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070287

Sample Name : Effluent \*\*

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

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
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
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha-Plant)

Examined By :

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
19/07/2023

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## Test Report

Request No : W6607060

Report No : 6607-1423

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070287

Sample Name : Effluent \*\*

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

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.14	≤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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.3	5.5-9.0

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krotha Plant) \*\*

Examined By :


(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
19/07/2023



## Test Report

Request No : W6607060

Report No : 6607-1423

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070287

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤ 1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	33	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	844	≤ 3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤ 100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	11	≤ 50

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (ว-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By :

(Miss Jiraporn Pankong)  
(ว-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(ว-003-ก-4367)  
19/07/2023

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## Test Report

Request No : W6607060

Report No : 6607-1423

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66070287

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.92	≤ 5

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krotha Plant)\*\*

Examined By :

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
19/07/2023

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ACCREDITED LABORATORY  
ISO/IEC 17025

## Test Report

Request No : W6607060

Report No : 6607-1423

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 04/07/2023 - 15/07/2023

Sample No : W 66070287

Sampling Date : 03/07/2023

Sampling Time : 8:50 AM

Received Date : 04/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.2	≤1

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Jiraporn Pankong)

19/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Request No. W6607060

Report No. 6607-1423

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ## Sample No. : W 66070287  
Sample Name : Effluent Sampling Date : 03/07/2023  
Sampling By : ETC Sampling Time : 8:50 AM  
Sampling Method : Grab Received Date : 04/07/2023  
Tested Date : 04/07/2023 – 15/07/2023 Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****

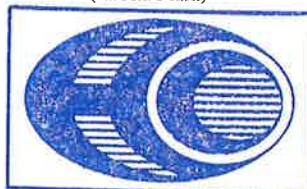
Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)  
2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด  
3. Sampling By Mr. Warakorn Vitayasewee (ว-003-ก-7283)  
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By   
( Miss Jiraporn Pankong )

(ว-003-ก-4445)

19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
( Miss Nunnaphat Bakhuntod )

(ว-003-ก-4367)

19/07/2023

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## Test Report

Request No : W6607293

Report No : 6607-1905

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071079

Sample Name : Effluent\*\*

Sampling Date : 10/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane	3.6	≤20
		Electrode Method (SM:5210B)		
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric	48	≤120
		Method (SM:5220C)		
Oil and Grease *	mg/L	Partition-Gravimetric Method	< 3.0	≤5
		(SM:5520B)		
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	764	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method	6	≤100
		(SM:4500 -Norg B)		
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	8	≤50

Physical Appearance : 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 Mr. Supharerk Phatklang (จ-003-จ-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

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

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607293

Report No : 6607- 1905

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071079

Sample Name : Effluent

Sampling Date : 10/07/2023

Sampling By : ETC

Sampling Time : 11:10 AM

Sampling Method : Grab

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	171	-

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. 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 Mr. Supharerk Phatklang (3-003-จ-5637)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

25/07/2023

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

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## Test Report

Request No : W6607448

Report No : 6608-0148

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071612

Sample Name : Effluent\*\*

Sampling Date : 17/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.4	≤20
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
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

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. /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 Mr. Supharerk Phatklang (จ-003-จ-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krobia Phrasat)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

02/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

02/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607448

Report No : 6608-0148

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66071612

Sample Name : Effluent\*\*

Sampling Date : 17/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	908	≤ 3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	12	≤ 50
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.98	≤ 5

Physical Appearance : 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. /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 Mr. Supharerk Phatklang (๖-003-๖-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (K... ..)

Examined By : 

(Miss Apiradee Chuen-arom)  
(๖-003-๖-4377)  
02/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(๖-003-๖-4367)  
02/08/2023

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## Test Report

Request No : W6607557

Report No : 6608-0490

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66072022

Sample Name : Effluent\*\*

Sampling Date : 24/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 02/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.0	≤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	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	848	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	9	≤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 Mr. Songpon Phiwuan (จ-003-ก-7279)\*

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

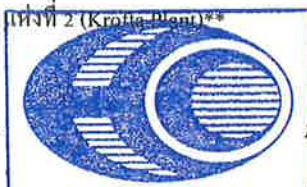
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krotha Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

04/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

04/08/2023

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## Test Report

Request No : W6607557

Report No : 6608-0490

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66072022

Sample Name : Effluent

Sampling Date : 24/07/2023

Sampling By : ETC

Sampling Time : 9:35 AM

Sampling Method : Grab

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 02/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	185	-

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. 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 Mr. Songpon Phiwuan (จ-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/08/2023

## Test Report

Request No : W6608158

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6608-1718

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66080651

Sample Name : Effluent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.0	≤ 20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L, [ 6 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroka Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
23/08/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
23/08/2023

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## Test Report

Request No : W6608158

Report No : 6608-1718

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66080651

Sample Name : Effluent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard/l
Lead *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	868	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	10	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L, [ 6 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha-Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/08/2023

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## Test Report

Request No : W6608158

Report No : 6608-1718

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66080651

Sample Name : Effluent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.59	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L, [ 6 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kytha Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/08/2023

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

Request No : W6608342

Report No : 6608-1983

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081190

Sample Name : Effluent\*\*

Sampling Date : 14/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.4	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	45	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	820	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	9	≤50

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. /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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

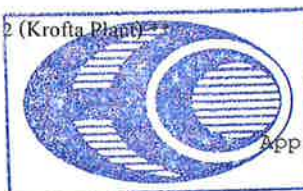
6.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By : 


(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

26/08/2023



บริษัท สีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

26/08/2023

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## Test Report

Request No : W6608342

Report No : 6608-1983

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081190

Sample Name : Effluent

Sampling Date : 14/08/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	189	-

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. /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 Mr. Parkpoom Buasawad

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/08/2023

## Test Report

Request No : W6608489

Report No : 6608-2433

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081747

Sample Name : Effluent \*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 29/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.6	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Songpon Phiwuan (จ-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

31/08/2023

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## Test Report

Request No : W6608489

Report No : 6608-2433

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081747

Sample Name : Effluent\*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 29/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	884	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	12	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

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## Test Report

Request No : W6608489

Report No : 6608-2433

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66081747

Sample Name : Effluent \*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 29/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.71	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
31/08/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
31/08/2023

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## Test Report

Request No : W6608599

Report No : 6609-0210

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66082222

Sample Name : Effluent \*\*

Sampling Date : 28/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 04/09/2023

Reported Date : 05/09/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.4	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	864	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	16	≤50

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. /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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

05/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

05/09/2023

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## Test Report

Request No : W6608599

Report No : 6609- 0210

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66082222

Sample Name : Effluent

Sampling Date : 28/08/2023

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 04/09/2023

Reported Date : 05/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	197	-

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. /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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

05/09/2023

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## Test Report

Request No : W6609090

Report No : 6609-0571

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66090372

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.0	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 2 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 Mr. Songpon Phiwuan (จ-003-ท-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroffa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

13/09/2023

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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



TESTING  
No.0159

### Test Report

Request No : W6609090

Report No : 6609-0571

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66090372

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	836	≤3000

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 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 Mr. Songpon Phiwan (จ-003-ค-0016)\*  
5. \*\* = These data are non laboratory data.  
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha-Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
13/09/2023

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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



TESTING  
No.0159

### Test Report

Request No : W 6609090

Report No : 6609-0571

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66090372

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	10	≤50
Zinc *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.76	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 2 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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

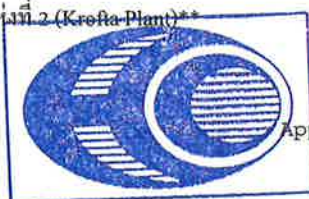
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (KroRa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

13/09/2023

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## Test Report

Request No : W 6609288

Report No : 6609-1601

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091132

Sample Name : Effluent\*\*

Sampling Date : 11/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.6	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	70	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	720	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	10	≤50

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. /I 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 Mr. Songpon Phiwan (จ-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kondh Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

23/09/2023

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## Test Report

Request No : W6609288

Report No : 6609- 1601

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091132

Sample Name : Effluent

Sampling Date : 11/09/2023

Sampling By : ETC

Sampling Time : 9:20 AM

Sampling Method : Grab

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	180	

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. /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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

23/09/2023

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## Test Report

Request No : W6609459

Report No : 6609-2050

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091710

Sample Name : Effluent \*\*

Sampling Date : 18/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.0	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

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 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krofa Plant) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

28/09/2023

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## Test Report

Request No : W6609459

Report No : 6609-2050

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66091710

Sample Name : Effluent\*\*

Sampling Date : 18/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	748	≤3000

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. /I 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

28/09/2023

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##  
Sample Name : Effluent \*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 19/09/2023 - 26/09/2023

Request No : W6609459  
Report No : 6609-2050  
Sample No : W 66091710  
Sampling Date : 18/09/2023\*\*  
Sampling Time : 9:10 AM\*\*  
Received Date : 19/09/2023  
Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.18	≤5

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

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

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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofit-Plant) \*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)  
28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)  
28/09/2023

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## Test Report

Request No : W6609583

Report No : 6610-0329

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66092176

Sample Name : Effluent\*\*

Sampling Date : 25/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 06/10/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.7	≤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	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	856	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤50

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. /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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (System Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

06/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

06/10/2023

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## Test Report

Request No : W6609583

Report No : 6610-0329

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66092176

Sample Name : Effluent

Sampling Date : 25/09/2023

Sampling By : ETC

Sampling Time : 11:30 AM

Sampling Method : Grab

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 06/10/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	189	

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. /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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

06/10/2023

## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

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

Sample No : W 66100148

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

Sampling Time : 10:10 AM\*\*

Received Date : 03/10/2023

Reported Date : 18/10/2023

Request No : W6610029

Report No : 6610-1127

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)	0.07	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.5	≤ 20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤ 120

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent \*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

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

Sample No : W 66100148

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

Sampling Time : 10:10 AM\*\*

Received Date : 03/10/2023

Reported Date : 18/10/2023

Request No : W6610029

Report No : 6610-1127

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	20	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	22	≤300
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
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. @ = 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (KroPa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610029

Report No : 6610-1127

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100148

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroffe Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

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## Test Report

Request No : W6610029

Report No : 6610-1127

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100148

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.037	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S <sub>2</sub> - F)	0.74	≤1
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	872	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤50

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. @ = 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610029

Report No : 6610-1127

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100148

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.50	≤ 5

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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 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 Mr. Parkpoom Buasawad (ว-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610029

Report No : 6610-1127

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100148

Sample Name : Effluent

Sampling Date : 02/10/2023

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 03/10/2023

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

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.2	≤1

Physical Apperance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

18/10/2023

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Request No. W6610029

Report No. 6610-1127

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 03/10/2023 – 12/10/2023

Sample No. : W 66100148

Sampling Date : 02/10/2023

Sampling Time : 10:10 AM

Received Date : 03/10/2023

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****

Physical Appearance : 1. Sample : yellow, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

3. Sampling By Mr. Parkpoom Buasawad (3-003-ค-0017)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางเข้าทางตะวันออก (Kropla Plant)

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

Examined By : 

(Miss Apiradee Chuen-arom)

(3-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

( Miss Nunnaphat Bakhuntod )

(3-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610238

Report No : 6610-1647

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100917

Sample Name : Effluent \*\*

Sampling Date : 09/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤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	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	952	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	8	≤50

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. /I 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 Pompinan Viriyakusolkul (จ-003-ค-0036)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Kasatua-Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

24/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

24/10/2023

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## Test Report

Request No : W6610238

Report No : 6610-1647

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66100917

Sample Name : Effluent

Sampling Date : 09/10/2023

Sampling By : ETC

Sampling Time : 10:45 AM

Sampling Method : Grab

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	182	

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. /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 Pornpinan Viriyakusolkul

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/10/2023

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## Test Report

Request No : W6610379

Report No : 6610-2063

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101376

Sample Name : Effluent\*\*

Sampling Date : 16/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 25/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Songpon Phiwan (จ-003-ท-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

28/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

28/10/2023

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## Test Report

Request No : W6610379

Report No : 6610-2063

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101376

Sample Name : Effluent\*\*

Sampling Date : 16/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 25/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	916	≤3000

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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. @ = 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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (KroPa-Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

28/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

28/10/2023

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## Test Report

Request No : W6610379

Report No : 6610-2063

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101376

Sample Name : Effluent\*\*

Sampling Date : 16/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 25/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.30	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

28/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

28/10/2023

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

Request No : W6610559

Report No : 6611-0170

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101947

Sample Name : Effluent\*\*

Sampling Date : 25/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 03/11/2023

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)	76	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	888	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	31	≤50

Physical Appearance : 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. /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 Mr. Warakorn Vitayasewee (จ-003-ท-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

03/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

03/11/2023

**COPY**



## Test Report

Request No : W6610559

Customer : Amata City Rayong Co.,Ltd.

Report No : 6611-0170

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66101947

Sample Name : Effluent

Sampling Date : 25/10/2023

Sampling By : ETC

Sampling Time : 8:30 AM

Sampling Method : Grab

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 03/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	153	-

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]

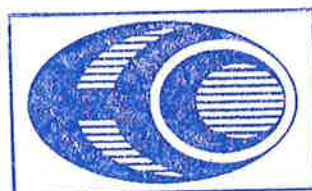
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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 Mr. Warakorn Vitayasewee

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

03/11/2023

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

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## Test Report

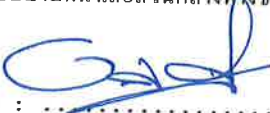
Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##  
Sample Name : Effluent \*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 07/11/2023 - 15/11/2023

Request No : W6611152  
Report No : 6611-1149  
Sample No : W 66110661  
Sampling Date : 06/11/2023\*\*  
Sampling Time : 10:55 AM\*\*  
Received Date : 07/11/2023  
Reported Date : 16/11/2023

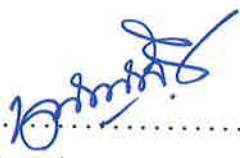
Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0021	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.5	≤20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 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. @ = 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 Mr. Supharerk Phatklang (ว-003-ค-0031)\*  
5. \*\* = These data are non laboratory data.  
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kongka Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
16/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
16/11/2023

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

## Test Report

Request No : W6611152

Report No : 6611-1149

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66110661

Sample Name : Effluent\*\*

Sampling Date : 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/11/2023

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

Reported Date : 16/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	860	≤ 3000

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 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 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
16/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
16/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report


Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##  
Sample Name : Effluent\*\*  
Sampling By : ETC  
Sampling Method : Grab\*\*  
Tested Date : 07/11/2023 - 15/11/2023

Request No : W6611152  
Report No : 6611-1149  
Sample No : W 66110661  
Sampling Date : 06/11/2023\*\*  
Sampling Time : 10:55 AM\*\*  
Received Date : 07/11/2023  
Reported Date : 16/11/2023


Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	11	≤50
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.61	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 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 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 Mr. Supharek Phatklang (จ-003-ก-0031)\*  
5. \*\* = These data are non laboratory data.  
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
16/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
16/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611358

Report No : 6611-1877

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111276

Sample Name : Effluent\*\*

Sampling Date : 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

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	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	900	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	8	≤50

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. /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 Mr. Songpon Phiwan (จ-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta-Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
24/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
24/11/2023

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## Test Report

Request No : W6611358

Report No : 6611-1877

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111276

Sample Name : Effluent

Sampling Date : 13/11/2023

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	188	-

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 ]

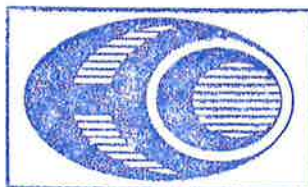
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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 Mr. Songpon Phiwan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/11/2023

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## Test Report

Request No : W6611497

Report No : 6611-2275

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111657

Sample Name : Effluent\*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 27/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.9	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L, 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., # = 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 Mr. Metee Sukprasert (จ-003-ค-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)\*\*

Examined By :

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
30/11/2023

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## Test Report

Request No : W6611497

Report No : 6611-2275

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111657

Sample Name : Effluent\*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 27/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	29	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	792	≤ 3000

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L, PE 1.8 L]

Remark : 1. /I 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 Mr. Metee Sukprasert (จ-003-ก-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

30/11/2023

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## Test Report

Request No : W6611497

Report No : 6611-2275

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111657

Sample Name : Effluent\*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 27/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	13	≤50
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.68	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 Bottle], PE 1.0 L, 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, # = 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 Mr. Metee Sukprasert (จ-003-ค-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofia Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
30/11/2023

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



## Test Report

Request No : W6611612

Report No : 6612-0069

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111968

Sample Name : Effluent\*\*

Sampling Date : 27/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.5	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	56	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	764	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	14	≤50

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. /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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

06/12/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

06/12/2023

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

Request No : W6611612

Report No : 6612-0069

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66111968

Sample Name : Effluent

Sampling Date : 27/11/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	156	-

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

4. Sampling By Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

06/12/2023

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## Test Report

Request No : W6612102

Report No : 6612-1084

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66120404

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 16/12/2023

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
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 5 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 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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Kroha Plant)\*\*

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 : W6612102

Report No : 6612-1084

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66120404

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 16/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	724	≤3000

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 5 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 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 Mr. Songpon Phiwan (ว-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroong Plant)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
21/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

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

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 06/12/2023 - 16/12/2023

Sample No : W 66120404

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

Sampling Time : 10:10 AM\*\*

Received Date : 06/12/2023

Reported Date : 21/12/2023

Request No : W6612102

Report No : 6612-1084

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	8	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.69	≤5

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 5 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 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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Sukhapibarn 8 Rd.)

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 : W6612290

Report No : 6612-1290

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66121010

Sample Name : Effluent\*\*

Sampling Date : 11/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 21/12/2023

Reported Date : 22/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.7	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	43	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	832	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	9	≤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 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kratha Plant) \*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
22/12/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
22/12/2023

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## Test Report

Request No : W6612290

Report No : 6612- 1290

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 66121010

Sample Name : Effluent

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 21/12/2023

Reported Date : 22/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	183	-

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. 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 Mr. Parkpoom Buasawad

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6606501

Report No : 6607-1186

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66061884

Sample Name : Influent\*\*

Sampling Date : 19/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 17/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,108	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	18	≤200

Physical Appearance : 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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ก-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTPA-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

17/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

17/07/2023

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## Test Report

Request No : W6606501

Report No : 6607-1186

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66061884

Sample Name : Influent

Sampling Date : 19/06/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 20/06/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 17/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	372	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (1-003-ค-7279)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

17/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6606635, W 6607353

Report No : 6607-1726-1, 6607-1729

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66062398, W 66071284

Sample Name : Influent\*\*

Sampling Date : 26/06/2023, 10/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:00 AM, 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 27/06/2023, 13/07/2023

Tested Date : 27/06/2023 - 03/07/2023

Reported Date : 21/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	38.6	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	114	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,320	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	20	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 C (SM:2540D)	30	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66071284 : Sampling Date 10/07/2023 (10:15 AM) : Tested Date 13/07/2023 - 19/07/2023

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

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

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

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)  
21/07/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
21/07/2023

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## Test Report

Request No : W6606635

Customer : Amata City Rayong Co.,Ltd.

Report No : 6607-1726

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66062398

Sample Name : Influent

Sampling Date : 26/06/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 03/07/2023

Reported Date : 21/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	874	-

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 ]

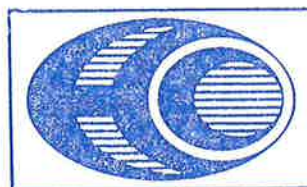
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 (จ-003-ค-7281)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Page 1 of 1

Examined By : 

(Miss Apiradee Chuen-arom)

21/07/2023

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## Test Report

Request No : W6607062

Report No : 6607-1424

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070290

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0039	≤0.25
Barium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.7	≤500
Cadmium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	102	≤750

Physical Apperance : 1. Sample : yellowish, turbid, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP-CT)\*\*

Examined By :

(Miss Jiraporn Pankong)

(จ-003-ก-4445)

19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

19/07/2023

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## Test Report

Request No : W6607062

Report No : 6607-1424

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070290

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
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
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25

Physical Appearance : 1. Sample : yellowish, turbid, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)


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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.


4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTPA-C-T)\*\*

Examined By :   
(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
19/07/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
19/07/2023

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## Test Report

Request No : W6607062

Report No : 6607-1424

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070290

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
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)	0.07	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0

Physical Apperance : 1. Sample : yellowish, turbid, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

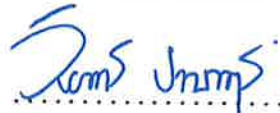
2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

3. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

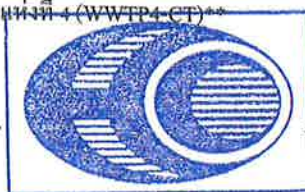
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
19/07/2023

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## Test Report

Request No : W6607062

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6607-1424

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070290

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.025	≤ 1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	32	≤ 45
Total Dissolved Solids #	mg/L	Dried at 180 °C (SM:2540C)	1,728	≤ 3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	17	≤ 100
Total Suspended Solids #	mg/L	Dried at 103-105 °C (SM:2540D)	116	≤ 200

Physical Appearance : 1. Sample : yellowish, turbid, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CB)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
19/07/2023

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## Test Report

Request No : W6607062

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6607-1424

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070290

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/I
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.20	≤ 5

Physical Appearance : 1. Sample : yellowish, turbid, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
19/07/2023

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## Test Report

Request No : W6607062

Customer : Amata City Rayong Co.,Ltd.

Report No : 6607- 1424

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070290

Sample Name : Influent

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 11:20 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 14/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	656	-
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	not available	≤1
Fluoride	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	4.84	≤5
Iron	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.93	≤10
Silver	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	≤1
Surfactants	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	< 0.40	≤30

Physical Apperance : 1. Sample : yellowish, turbid, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (จ-003-ค-7283)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Jiraporn Pankong)

19/07/2023

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Request No. W6607062

Report No. 6607-1424


## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
 Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
 Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ## Sample No. : W 66070290  
 Sample Name : Influent Sampling Date : 03/07/2023  
 Sampling By : ETC Sampling Time : 11:20 AM  
 Sampling Method : Grab Received Date : 04/07/2023  
 Tested Date : 04/07/2023 – 14/07/2023 Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****


Physical Appearance : 1. Sample : yellowish, turbid, nonsmelling  
 2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
 2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด  
 3. Sampling By Mr. Warakorn Vitayasewee (ว-003-ก-7283)  
 4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)

Examined By   
 (Miss Jiraporn Pankong)  
 (ว-003-ก-4445)  
 19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
 (Miss Nunnaphat Bakhuntod)  
 (ว-003-ก-4367)  
 19/07/2023

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## Test Report

Request No : W 6607294

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6607-1906

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66071080

Sample Name : Influent\*\*

Sampling Date : 10/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	86	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	696	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	16	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	30	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (จ-003-ท-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-ST)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-4367)

25/07/2023

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

Request No : W6607294

Report No : 6607-1906

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 12/07/2023 - 21/07/2023

Sample No : W 66071080

Sampling Date : 10/07/2023

Sampling Time : 10:15 AM

Received Date : 11/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	131	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (ว-003-จ-5637)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

25/07/2023



## Test Report

Request No : W6607450

Report No : 6608-0144

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66071614

Sample Name : Influent\*\*

Sampling Date : 17/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	76	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,328	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	18	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	138	≤200

Physical Apperance : 1. Sample : yellow, turbid

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (จ-003-จ-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP-ETC)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)  
02/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
02/08/2023

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





## Test Report

Request No : W6607450

Report No : 6608-0144

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66071614

Sample Name : Influent

Sampling Date : 17/07/2023

Sampling By : ETC

Sampling Time : 11:35 AM

Sampling Method : Grab

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	474	-

Physical Apperance : 1. Sample : yellow, turbid

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (ว-003-ท-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/08/2023

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## Test Report

Request No : W6607558

Report No : 6608-0486

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66072023

Sample Name : Influent\*\*

Sampling Date : 24/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 02/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	60	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	852	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	35	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWT-223-C-T)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

04/08/2023

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

Request No : W6607558

Report No : 6608 -0486

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66072023

Sample Name : Influent

Sampling Date : 24/07/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 02/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	283	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ค-7279)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/08/2023

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## Test Report

Request No : W6608160

Report No : 6608-1714

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66080653

Sample Name : Influent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.5	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	73	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	3.8	≤10
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	892	≤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)	53	≤200

Physical Appearance : 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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
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 Mr. Supharerk Phatklang (จ-003-ก-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTPS-GT) \*\*

Examined By :

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
23/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
23/08/2023

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## Test Report

Request No : W6608160

Report No : 6608-1714

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 08/08/2023 - 18/08/2023

Sample No : W 66080653

Sampling Date : 07/08/2023

Sampling Time : 9:50 AM

Received Date : 08/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	243	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

23/08/2023

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## Test Report

Request No : W6608343

Report No : 6608-1984

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66081191

Sample Name : Influent\*\*

Sampling Date : 14/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/08/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	70	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,140	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	18	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	52	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ก-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CF)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

26/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

26/08/2023

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## Test Report

Request No : W6608343

Report No : 6608-1984

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 16/08/2023 - 24/08/2023

Sample No : W 66081191

Sampling Date : 14/08/2023

Sampling Time : 10:15 AM

Received Date : 15/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	734	

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/08/2023

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## Test Report

Request No : W6608491

Report No : 6608-2429

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66081749

Sample Name : Influent\*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 28/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	19.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	63	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,384	≤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)	14	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (W-66081749)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
31/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608491

Report No : 6608-2429

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 22/08/2023 - 28/08/2023

Sample No : W 66081749

Sampling Date : 21/08/2023

Sampling Time : 9:30 AM

Received Date : 22/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	787	-

Physical Apperance : 1. Sample : yeilowish, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

31/08/2023

## Test Report

Request No : W6608600

Report No : 6611-2140

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66082223

Sample Name : Influent\*\*

Sampling Date : 28/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 22/09/2023

Reported Date : 28/11/2023

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	17.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	83	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,840	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	19	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	36	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ท-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWP4-C1)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

28/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

28/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608600

Report No : 6611-2140

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66082223

Sample Name : Influent

Sampling Date : 28/08/2023

Sampling By : ETC

Sampling Time : 10:45 AM

Sampling Method : Grab

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 22/09/2023

Reported Date : 28/11/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	957	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/11/2023

## Test Report

Request No : W6609091

Report No : 6609-0567

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66090373

Sample Name : Influent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.6	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	680	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	26	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-C1)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

13/09/2023

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

## Test Report

Request No : W6609091

Report No : 6609-0567

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 05/09/2023 - 12/09/2023

Sample No : W 66090373

Sampling Date : 04/09/2023

Sampling Time : 10:30 AM

Received Date : 05/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	195	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

13/09/2023

## Test Report

Request No : W6609289

Report No : 6609-1602

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66091133

Sample Name : Influent\*\*

Sampling Date : 11/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	34.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	86	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,948	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	11	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	23	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/09/2023

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## Test Report

Request No : W6609289

Report No : 6609-1602

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66091133

Sample Name : Influent

Sampling Date : 11/09/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 21/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	739	

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

23/09/2023

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## Test Report

Request No : W6609462

Report No : 6609-2046

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66091713

Sample Name : Influent\*\*

Sampling Date : 18/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	33.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	111	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,140	≤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 degree celsius (SM:2540D)	40	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWT-4-ETP)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
28/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
28/09/2023

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## Test Report

Request No : W6609462

Customer : Amata City Rayong Co.,Ltd.

Report No : 6609-2046

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66091713

Sample Name : Influent

Sampling Date : 18/09/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 19/09/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 28/09/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	720	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
28/09/2023

## Test Report

Request No : W6609584

Report No : 6610-0149

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66092177

Sample Name : Influent\*\*

Sampling Date : 25/09/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 03/10/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	26.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	89	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,884	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	17	≤200

Physical Apperance : 1. Sample : slightly - white, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (ว-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WV2014302)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

03/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

03/10/2023

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## Test Report

Request No : W6609584

Report No : 6610-0149

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66092177

Sample Name : Influent

Sampling Date : 25/09/2023

Sampling By : ETC

Sampling Time : 11:10 AM

Sampling Method : Grab

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 03/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	742	

Physical Apperance : 1. Sample : slightly - white, lightly SS

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

Remark : 1./1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

03/10/2023



## Test Report

Request No : W6610031, W 6612635

Report No : 6610-1128-1, 6701-0748

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100151, W 66122006

Sample Name : Influent\*\*

Sampling Date : 02/10/2023, 27/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:40 AM, 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 28/12/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.4	≤ 500
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	66	≤ 750

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Waste water into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66122006 : Sampling Date 27/12/2023 (11:15 AM): Tested Date 28/12/2023 - 04/01/2024

3. @ = 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.

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

5. \* = Test Report/Sampling mark Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

15/01/2024

SUPPLEMENT TO TEST REPORT NO. 6610-1128



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

15/01/2024

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## Test Report

Request No : W6610031, W 6612635

Report No : 6610-1128-1, 6701-0748

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100151, W 66122006

Sample Name : Influent\*\*

Sampling Date : 02/10/2023, 27/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:40 AM, 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 28/12/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
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
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66122006 : Sampling Date 27/12/2023 (11:15 AM): Tested Date 28/12/2023 - 04/01/2024

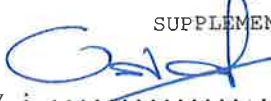
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)\*

6. \*\* = These data are non laboratory data. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
15/01/2024



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
15/01/2024

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

## Test Report

Request No : W6610031, W 6612635

Report No : 6610-1128-1, 6701-0748

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100151, W 66122006

Sample Name : Influent\*\*

Sampling Date : 02/10/2023, 27/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:40 AM, 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 28/12/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.07	≤ 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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	6.6	5.5-9.0

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66122006 : Sampling Date 27/12/2023 (11:15 AM): Tested Date 28/12/2023 - 04/01/2024

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data./## ระบบบำบัดน้ำเสียส่วนกลางทางโรงงานแห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

15/01/2024

SUPPLEMENT TO TEST REPORT NO. 6610-1128



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

15/01/2024

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

## Test Report

Request No : W6610031, W 6612635  
Report No : 6610-1128-1, 6701-0748

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Influent\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 03/10/2023 - 14/10/2023  
Sample No : W 66100151, W 66122006  
Sampling Date : 02/10/2023, 27/12/2023\*\*  
Sampling Time : 11:40 AM, 11:15 AM\*\*  
Received Date : 03/10/2023, 28/12/2023  
Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.062	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide */2	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	0.74	≤1
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #/2	mg/L	Dried at 180 degree celsius (SM:2540C)	1,648	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	14	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)  
2. /2 Sample No. W66122006 : Sampling Date 27/12/2023 (11:15 AM): Tested Date 28/12/2023 - 04/01/2024  
3. @ = 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.  
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)\*  
6. \*\* = These data are non laboratory data./## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
15/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
15/01/2024

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

## Test Report

Request No : W6610031, W 6612635

Report No : 6610-1128-1, 6701-0748

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100151, W 66122006

Sample Name : Influent\*\*

Sampling Date : 02/10/2023, 27/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:40 AM, 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 28/12/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤ 5

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W66122006 : Sampling Date 27/12/2023 (11:15 AM): Tested Date 28/12/2023 - 04/01/2024

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

15/01/2024

SUPPLEMENT TO TEST REPORT NO. 6610-1128



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

15/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6610031, W 6701285

Report No : 6610-1128-1,6701-1267

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100151, W 67010939

Sample Name : Influent\*\*

Sampling Date : 02/10/2023, 15/01/2024\*\*

Sampling By : ETC\*\*

Sampling Time : 11:40 AM, 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 16/01/2024

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 23/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride *	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	402	-
Chlorine (Residual) *	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.2	≤1
Fluoride */2	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	3.17	≤5
Iron @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤10
Silver @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	≤1
Surfactants *	mg/L as MBAS	Anionic Surfactants as MBAS Method (SM:5540C)	< 0.40	≤30

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. /2 Sample No. W67010939 : Sampling Date 15/01/2024 (11:15 AM): Tested Date 16/01/2024 - 22/01/2024

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

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad \*

5. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

6. Parameter Outside The Scope of the Registration of Department of Industrial Works

SUPPLEMENT TO TEST REPORT NO: 6610-1128



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)  
23/01/2024

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Request No. W6610031

Report No. 6610-1128

## TEST REPORT

Customer : Amata City Rayong Co., Ltd.  
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ## Sample No. : W 66100151  
Sample Name : Influent Sampling Date : 02/10/2023  
Sampling By : ETC Sampling Time : 11:40 AM  
Sampling Method : Grab Received Date : 03/10/2023  
Tested Date : 03/10/2023 – 14/10/2023 Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWT4-C17)

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

Examined By 

(Miss Apradee Chuen-arom)

(ว-003-ก-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

18/10/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

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

Sample No : W 66100918

Sampling Date : 09/10/2023\*\*

Sampling Time : 10:03 AM\*\*

Received Date : 10/10/2023

Reported Date : 24/10/2023

Request No : W6610239

Report No : 6610-1648

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	33.5	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	84	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,616	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	16	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	40	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Pornpinan Viriyakusolkul (จ-003-ค-0036)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP-Pha)

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
24/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
24/10/2023

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

## Test Report

Request No : W6610239

Report No : 6610-1648

Customer : Amata City Rayong Co., Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100918

Sample Name : Influent

Sampling Date : 09/10/2023

Sampling By : ETC

Sampling Time : 10:03 AM

Sampling Method : Grab

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	816	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Pompinan Viriyakusolkul

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/10/2023

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

Request No : W6610381

Report No : 6610-2059

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101378

Sample Name : Influent\*\*

Sampling Date : 16/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 27/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	16.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	63	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,148	≤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 degree celsius (SM:2540D)	14	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (ว-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWT-4) (WWT-4) (WWT-4)

Examined By : 

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
28/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
28/10/2023

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## Test Report

Request No : W6610381

Report No : 6610-2059

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101378

Sample Name : Influent

Sampling Date : 16/10/2023

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 27/10/2023

Reported Date : 28/10/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	665	-

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/10/2023



## Test Report

Request No : W6610560

Report No : 6701-0173

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101948

Sample Name : Influent\*\*

Sampling Date : 25/10/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/10/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 05/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	59.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	115	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	6.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,784	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	19	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	52	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 4 (WWTP-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)  
05/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)  
05/01/2024

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## Test Report

Request No : W6610560

Report No : 6701-0173

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 26/10/2023 - 01/11/2023

Sample No : W 66101948

Sampling Date : 25/10/2023

Sampling Time : 9:30 AM

Received Date : 26/10/2023

Reported Date : 05/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	1,064	-

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 ]

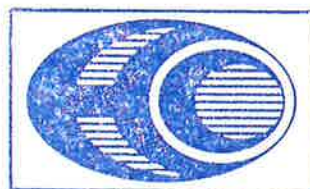
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Warakorn Vitayasewee

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/01/2024

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

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## Test Report

Request No : W6611154

Report No : 6611-1445

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66110663

Sample Name : Influent\*\*

Sampling Date : 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/11/2023

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

Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.6	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	49	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	448	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	35	≤200

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. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

20/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

20/11/2023

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## Test Report

Request No : W6611154

Report No : 6611-1445

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66110663

Sample Name : Influent

Sampling Date : 06/11/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 07/11/2023

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

Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	113	-

Physical Apperance : 1. Sample : ye lowish, lightly SS

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

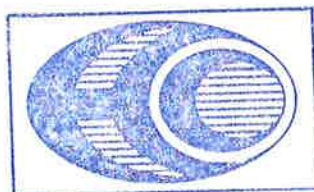
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Supharerk Phatklang

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

20/11/2023

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## Test Report

Request No : W6611359

Report No : 6611-1873

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111277

Sample Name : Influent\*\*

Sampling Date : 13/11/2023

Sampling By : ETC\*\*

Sampling Time : 10:50 AM

Sampling Method : Grab\*\*

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	69	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,004	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	28	≤200

Physical Apperance : 1. Sample : slightly-white, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

24/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

24/11/2023

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## Test Report

Request No : W6611359

Report No : 6611-1873

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111277

Sample Name : Influent

Sampling Date : 13/11/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	732	-

Physical Apperance : 1. Sample : slightly-white, lightly SS

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

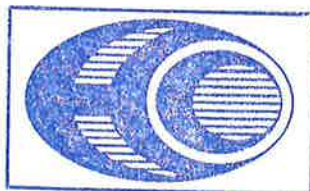
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/11/2023

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## Test Report

Request No : W6611499

Report No : 6611-2276

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111659

Sample Name : Influent\*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 28/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	59.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	166	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,144	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	34	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	30	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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.

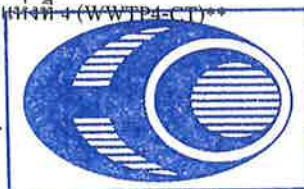
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Metee Sukprasert (จ-003-ค-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
30/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611499

Report No : 6611-2276

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111659

Sample Name : Influent

Sampling Date : 20/11/2023

Sampling By : ETC

Sampling Time : 11:25 AM

Sampling Method : Grab

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 28/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	389	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Metee Sukprasert

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

30/11/2023

## Test Report

Request No : W6611613

Report No : 6612-0065

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111969

Sample Name : Influent\*\*

Sampling Date : 27/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	21.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	78	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	988	≤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 degree celsius (SM:2540D)	19	≤200

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4 CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
06/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
06/12/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY





## Test Report

Request No : W6611613

Report No : 6612-0065

Customer : Amata City Rayong Co., Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111969

Sample Name : Influent

Sampling Date : 27/11/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	344	-

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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwuan

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Examined By : .....

(Miss Apiradee Chuen-arom)

06/12/2023

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Influent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 06/12/2023 - 12/12/2023

Request No : W6612103

Report No : 6612-1085

Sample No : W 66120405

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

Sampling Time : 11:00 AM\*\*

Received Date : 06/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	48	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,384	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	15	≤200

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (W-003-ค-0017)

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 : W6612103

Report No : 6612-1085

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66120405

Sample Name : Influent

Sampling Date : 04/12/2023

Sampling By : ETC

Sampling Time : 11:00 AM

Sampling Method : Grab

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 12/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	370	-

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Songpon Phiwan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)  
21/12/2023REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6612291

Report No : 6612-1440

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66121011

Sample Name : Influent\*\*

Sampling Date : 11/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 22/12/2023

Reported Date : 25/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	996	≤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 degree celsius (SM:2540D)	35	≤200

Physical Apperance : 1. Sample : white, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWT-24-ET)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)  
25/12/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
25/12/2023

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## Test Report

Request No : W6612291

Report No : 6612-1440

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66121011

Sample Name : Influent

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:25 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 22/12/2023

Reported Date : 25/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	398	-

Physical Apperance : 1. Sample : white, lightly SS

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Mr. Parkpoom Buasawad

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

25/12/2023

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## Test Report

Request No : W6606501, W 6607218

Report No : 6607-1187-1, 6607-1185

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66061885, W 66070875

Sample Name : Effluent\*\*

Sampling Date : 19/06/2023, 03/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM, 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023, 07/07/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 17/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0027	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.0	≤20
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
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

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 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./2 Sample No. W66070875 : Sampling Date 03/07/2023 (11:10 AM) : Tested Date 07/07/2023 - 13/07/2023

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ก-7279)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)  
17/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
17/07/2023

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## Test Report

Request No : W6606501, W 6607218

Report No : 6607-1187-1, 6607-1185

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66061885, W 66070875

Sample Name : Effluent\*\*

Sampling Date : 19/06/2023, 03/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM, 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/06/2023, 07/07/2023

Tested Date : 20/06/2023 - 29/06/2023

Reported Date : 17/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.16	≤1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #/2	mg/L	Dried at 180 C (SM:2540C)	2,344	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	20	≤50
Zinc *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 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./2 Sample No. W66070875 : Sampling Date 03/07/2023 (11:10 AM) : Tested Date 07/07/2023 - 13/07/2023

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-7279)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-4377)  
17/07/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
17/07/2023

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## Test Report

Request No : W6606635

Report No : 6607-1727

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66062399

Sample Name : Effluent \*\*

Sampling Date : 26/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 03/07/2023

Reported Date : 21/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.3	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	48	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,564	≤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)	24	≤50

Physical Appearance : 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. /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-ค-7281) \*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CTP)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

21/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

21/07/2023

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## Test Report

Request No : W6606635

Report No : 6607-1727

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66062399

Sample Name : Effluent

Sampling Date : 26/06/2023

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 27/06/2023

Tested Date : 27/06/2023 - 03/07/2023

Reported Date : 21/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	847	-

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. /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 (จ-003-ค-7281)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

21/07/2023

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## Test Report

Request No : W6607062

Report No : 6607-1425

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070291

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0056	≤0.25
Barium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.1	≤20
Cadmium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	51	≤120

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayaseewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP-CT) \*

Examined By : .....

(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
19/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607062

Report No : 6607-1425

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070291

Sample Name : Effluent \*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/l
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
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
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTE-CTN)\*\*

Examined By : 

(Miss Jiraporn Pankong)

(จ-003-ก-4445)

19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

19/07/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY



## Test Report

Request No : W6607062

Report No : 6607-1425

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070291

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
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)	0.11	≤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)	0.14	≤1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.2	5.5-9.0

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ค-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4 CT)\*\*

Examined By : 

(Miss Jiraporn Pankong)

(จ-003-ค-4445)

19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

19/07/2023

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

**COPY**

## Test Report

Request No : W6607062

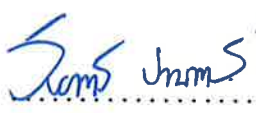
Report No : 6607-1425

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 04/07/2023 - 15/07/2023  
Sample No : W 66070291  
Sampling Date : 03/07/2023\*\*  
Sampling Time : 11:10 AM\*\*  
Received Date : 04/07/2023  
Reported Date : 19/07/2023


Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤ 1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	31	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,344	≤ 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)	14	≤ 50

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ค-7283)\*  
5. \*\* = These data are non laboratory data.  
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWPR-CT)\*\*

Examined By :   
(Miss Jiraporn Pankong)  
(จ-003-ค-4445)  
19/07/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-4367)  
19/07/2023

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## Test Report

Request No : W6607062

Report No : 6607-1425

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070291

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 11:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤ 5

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 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 Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (จ-003-ก-7283)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4SC1)\*\*

Examined By : 

(Miss Jiraporn Pankong)  
(จ-003-ก-4445)  
19/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
19/07/2023

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

Request No : W6607062

Report No : 6607-1425

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66070291

Sample Name : Effluent

Sampling Date : 03/07/2023

Sampling By : ETC

Sampling Time : 11:10 AM

Sampling Method : Grab

Received Date : 04/07/2023

Tested Date : 04/07/2023 - 15/07/2023

Reported Date : 19/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.1	≤1

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

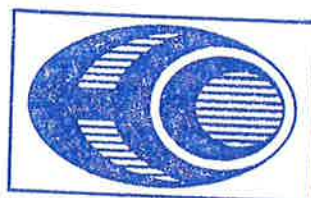
Remark : 1./1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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 Mr. Warakorn Vitayasewee (ว-003-ค-7283)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :



(Miss Jiraporn Pankong)

19/07/2023



Request No. W6607062

Report No. 6607-1425

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 04/07/2023 – 15/07/2023  
Sample No. : W 66070291  
Sampling Date : 03/07/2023  
Sampling Time : 11:10 AM  
Received Date : 04/07/2023  
Reported Date : 19/07/2023

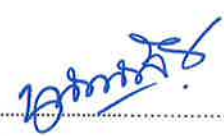
Parameter	Unit	Method	Result	Standard <sup>1</sup>
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	****

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 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. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด  
3. Sampling By Mr. Warakorn Vitayaseewee (ว-003-ท-7283)  
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)

Examined By   
( Miss Jiraporn Pankong )  
(ว-003-ท-4445)  
19/07/2023



Approved By   
( Miss Nunnaphat Bakhuntod )  
(ว-003-ท-4367)  
19/07/2023

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## Test Report

Request No : W6607294

Report No : 6607-1907

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66071081

Sample Name : Effluent\*\*

Sampling Date : 10/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:05 AM\*\*

Sampling Method : Grab\*\*

Received Date : 11/07/2023

Tested Date : 12/07/2023 - 21/07/2023

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)	4.4	≤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	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,988	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	8	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	26	≤50

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. /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 Mr. Supharerk Phatklang (จ-003-จ-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTPA-C1)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

25/07/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

25/07/2023

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## Test Report

Request No : W6607294

Report No : 6607-1907

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 12/07/2023 - 21/07/2023

Sample No : W 66071081

Sampling Date : 10/07/2023

Sampling Time : 10:05 AM

Received Date : 11/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	670	-

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. /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 Mr. Supharerk Phatklang (๓-๐๐3-๖-5637)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

25/07/2023

## Test Report

Request No : W6607450

Report No : 6608-0145

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66071615

Sample Name : Effluent\*\*

Sampling Date : 17/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0040	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.1	≤20
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
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

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 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 Mr. Supharerk Phatklang (จ-003-จ-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางจังหวัด ## แห่งที่ 4 (AWWA 2017) \*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

02/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

02/08/2023

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## Test Report

Request No : W6607450

Report No : 6608-0145

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66071615

Sample Name : Effluent\*\*

Sampling Date : 17/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 27/07/2023

Reported Date : 02/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.11	≤1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,368	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	19	≤50
Zinc *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(3 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 Mr. Supharerk Phatklang (จ-003-ท-5637)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ท-4377)  
02/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-4367)  
02/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6607558

Report No : 6608-0487

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66072024

Sample Name : Effluent \*\*

Sampling Date : 24/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 02/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.3	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	1,920	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	42	≤50

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. /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 Mr. Songpon Phiwan (จ-003-ก-7279)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWT4-SP)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-4377)  
04/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-4367)  
04/08/2023

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

Request No : W6607558

Report No : 6608-0487

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66072024

Sample Name : Effluent

Sampling Date : 24/07/2023

Sampling By : ETC

Sampling Time : 10:25 AM

Sampling Method : Grab

Received Date : 25/07/2023

Tested Date : 25/07/2023 - 02/08/2023

Reported Date : 04/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	409	-

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. /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 Mr. Songpon Phiwan (ว-003-ค-7279)

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/08/2023

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

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## Test Report

Request No : W6608160

Report No : 6608-1715

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66080654

Sample Name : Effluent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0021	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.3	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP-ECT) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/08/2023

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## Test Report

Request No : W6608160

Report No : 6608-1715

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 08/08/2023 - 18/08/2023

Sample No : W 66080654  
Sampling Date : 07/08/2023\*\*  
Sampling Time : 9:45 AM\*\*  
Received Date : 08/08/2023  
Reported Date : 23/08/2023

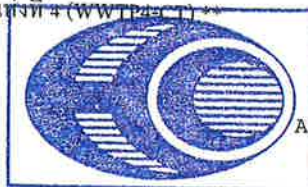
Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤ 1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	6.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,436	≤ 3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	17	≤ 50

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*  
5. \*\* = These data are non laboratory data.  
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4C-T) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
23/08/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
23/08/2023

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## Test Report

Request No : W6608160

Report No : 6608-1715

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66080654

Sample Name : Effluent\*\*

Sampling Date : 07/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/08/2023

Tested Date : 08/08/2023 - 18/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Zinc *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

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

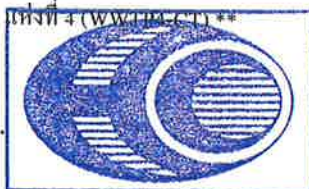
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP-CT) \*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
23/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
23/08/2023

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## Test Report

Request No : W6608343, W 6611157

Report No : 6608-1985-1,6611-1833

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66081192, W 66110668

Sample Name : Effluent \*\*

Sampling Date : 14/08/2023, 06/11/2023

Sampling By : ETC\*\*

Sampling Time : 10:00 AM, 10:20 AM

Sampling Method : Grab\*\*

Received Date : 15/08/2023, 07/11/2023

Tested Date : 16/08/2023 - 24/08/2023

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.1	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,592	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤50

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

2. /2 Sample No. W66110668: Sampling Date 06/11/2023 (10:20 AM) : Tested Date 07/11/2023 - 09/11/2023

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-0017)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
23/11/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
23/11/2023

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## Test Report

Request No : W6608343

Report No : 6608-1985

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 16/08/2023 - 24/08/2023

Sample No : W 66081192

Sampling Date : 14/08/2023

Sampling Time : 10:00 AM

Received Date : 15/08/2023

Reported Date : 26/08/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	822	-

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. /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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/08/2023

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 : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 22/08/2023 - 29/08/2023

Request No : W6608491

Report No : 6608-2430

Sample No : W 66081750

Sampling Date : 21/08/2023\*\*

Sampling Time : 9:35 AM\*\*

Received Date : 22/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0027	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.1	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-GTM)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
31/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608491

Report No : 6608-2430

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66081750

Sample Name : Effluent \*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 29/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
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)	0.10	≤ 1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	2,392	≤ 3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	37	≤ 50

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-GT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
31/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608491

Customer : Amata City Rayong Co.,Ltd.\*\*

Report No : 6608-2430

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66081750

Sample Name : Effluent\*\*

Sampling Date : 21/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 29/08/2023

Reported Date : 31/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Songpon Phiwan (จ-003-ค-0016)\*


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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
31/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
31/08/2023

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**Test Report**

Request No : W6608600, W 6611360

Report No : 6611-2141-1, 6611-1836

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66082224, W 66111280

Sample Name : Effluent\*\*

Sampling Date : 28/08/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:50 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 29/08/2023, 14/11/2023

Tested Date : 30/08/2023 - 22/09/2023

Reported Date : 22/01/2024

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.6	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	54	≤120
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,628	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤50

Physical Apperance : 1. Sample : yellowish, turbid

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./2 Sample No. W66111280 : Sampling Date 13/11/2023 (10:35 AM): Tested Date 14/11/2023 - 18/11/2023

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

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

22/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

22/01/2024

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WITHOUT THE WRITTEN APPROVAL LABOFATORY

**COPY**



## Test Report

Request No : W6608600

Report No : 6611-2141

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66082224

Sample Name : Effluent

Sampling Date : 28/08/2023

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 29/08/2023

Tested Date : 30/08/2023 - 22/09/2023

Reported Date : 28/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	791	-

Physical Apperance : 1. Sample : yellowish, turbid

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. 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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/11/2023

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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



TESTING  
No.0159

## Test Report

Request No : W6609091

Report No : 6609-0568

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66090374

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.2	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Songpon Phiwan (จ-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (AWWA 2017)

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

13/09/2023

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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



TESTING  
No.0159

### Test Report

Request No : W6609091

Report No : 6609-0568

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66090374

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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)	0.08	≤1
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	28	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,792	≤3000

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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. # = 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 Mr. Songpon Phiwan (ว-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CB)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
13/09/2023

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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



TESTING  
No.0159

### Test Report

Request No : W6609091

Report No : 6609-0568

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66090374

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 05/09/2023

Tested Date : 05/09/2023 - 12/09/2023

Reported Date : 13/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	35	≤50
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP-ECT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
13/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
13/09/2023

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## Test Report

Request No : W6609289, W6611155  
Report No : 6609-1603-I, 6611-095

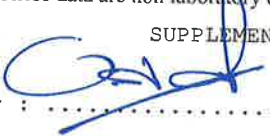
Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent\*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 12/09/2023 - 21/09/2023

Sample No : W 66091134, W 66110666  
Sampling Date : 11/09/2023, 06/11/2023\*\*  
Sampling Time : 10:25 AM, 10:20 AM\*\*  
Received Date : 12/09/2023, 07/11/2023  
Reported Date : 13/11/2023

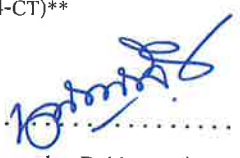
Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.8	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,512	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤50

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. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)  
2./2 Sample No. W66110666: Sampling Date 06/11/2023 (10:20 AM) : Tested Date 07/11/2023 - 09/11/2023  
3. @ = 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.  
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)\*  
6. \*\* = These data are non laboratory data./## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
13/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
13/11/2023

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## Test Report

Request No : W6609289

Report No : 6609-1603

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 12/09/2023 - 21/09/2023

Sample No : W 66091134

Sampling Date : 11/09/2023

Sampling Time : 10:25 AM

Received Date : 12/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	794	-

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. /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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

23/09/2023

## Test Report

Request No : W6609462, W6611156  
Report No : 6609-2047-1, 6611-0952

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 19/09/2023 - 26/09/2023

Sample No : W 66091714, W 66110667

Sampling Date : 18/09/2023, 06/11/2023\*\*

Sampling Time : 10:05 AM, 10:20 AM\*\*

Received Date : 19/09/2023, 07/11/2023

Reported Date : 13/11/2023

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0034	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.2	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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./2 Sample No. W66110667u: Sampling Date 06/11/2023 (10:20 AM) : Tested Date 07/11/2023 - 09/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
13/11/2023



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
13/11/2023

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## Test Report

Request No : W6609462, W6611156

Report No : 6609-2047-1, 6611-0952

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent\*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 19/09/2023 - 26/09/2023

Sample No : W 66091714, W 66110667

Sampling Date : 18/09/2023, 06/11/2023\*\*

Sampling Time : 10:05 AM, 10:20 AM\*\*


Received Date : 19/09/2023, 07/11/2023

Reported Date : 13/11/2023

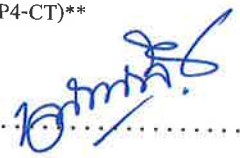
Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	≤ 1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,010	≤ 3000

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 3 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./2 Sample No. W66110667u: Sampling Date 06/11/2023 (10:20 AM) : Tested Date 07/11/2023 - 09/11/2023  
3. @ = 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.  
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)\*  
6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ท-0007)  
13/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-0005)  
13/11/2023

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## Test Report

Request No : W6609462, W6611156

Report No : 6609-2047-1, 6611-0952

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66091714, W 66110667

Sample Name : Effluent\*\*

Sampling Date : 18/09/2023, 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:05 AM, 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 19/09/2023, 07/11/2023

Tested Date : 19/09/2023 - 26/09/2023

Reported Date : 13/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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./2 Sample No. W66110667u: Sampling Date 06/11/2023 (10:20 AM) : Tested Date 07/11/2023 - 09/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

SUPPLEMENT TO TEST REPORT NO. 6609-2047

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

13/11/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

13/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6609584, W 6611361

Report No : 6610-0150-1, 6611-1834

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66092178, W 66111281

Sample Name : Effluent \*\*

Sampling Date : 25/09/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:00 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/09/2023, 14/11/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.6	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	67	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,092	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	15	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤50

Physical Apperance : 1. Sample : white, 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. /2 Sample No. W66111281 : Sampling Date 13/11/2023 (10:35 AM) : Tested Date 14/11/2023 - 18/11/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)\*

6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ท-0007)  
23/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ท-0005)  
23/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6609584

Report No : 6610-0150

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66092178

Sample Name : Effluent

Sampling Date : 25/09/2023

Sampling By : ETC

Sampling Time : 11:00 AM

Sampling Method : Grab

Received Date : 26/09/2023

Tested Date : 26/09/2023 - 02/10/2023

Reported Date : 03/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	444	

Physical Apperance : 1. Sample : white, 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. 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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

03/10/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report


Request No : W6610031, W6611362  
Report No : 6610-1129-1, 6701-0747

Customer : Amata City Rayong Co., Ltd. \*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230 \*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ## Sample No : W 66100152, W 66111283  
Sample Name : Effluent \*\* Sampling Date : 02/10/2023, 13/11/2023 \*\*  
Sampling By : ETC \*\* Sampling Time : 11:20 AM, 10:35 AM \*\*  
Sampling Method : Grab \*\* Received Date : 03/10/2023, 14/11/2023  
Tested Date : 03/10/2023 - 14/10/2023 Reported Date : 15/01/2024

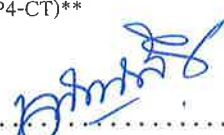
Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0029	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.4	≤20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 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. /2 Sample No. W66111283 : Sampling Date 13/11/2023 (10:35 AM): Tested Date 14/11/2023 - 18/11/2024  
3. @ = 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.  
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)\*  
6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
15/01/2024



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
15/01/2024

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## Test Report

Request No : W6610031, W6611362

Report No : 6610-1129-1,6701-0747

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100152, W 66111283

Sample Name : Effluent\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023


Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024


Parameter	Unit	Method	Result	Standard <sup>1</sup>
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Copper @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤2
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation,Colorimetric Method	< 0.50	≤1
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 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. /2 Sample No. W66111283 : Sampling Date 13/11/2023 (10:35 AM): Tested Date 14/11/2023 - 18/11/2024  
3. @ = 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.  
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-0017)\*  
6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

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

SUPPLEMENT TO TEST REPORT NO. 6610-1129  
  
บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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

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## Test Report

Request No : W6610031, W6611362

Report No : 6610-1129-1, 6701-0747

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100152, W 66111283

Sample Name : Effluent\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
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)	0.07	≤ 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)	0.08	≤ 1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	6.7	5.5-9.0

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. /2 Sample No. W66111283 : Sampling Date 13/11/2023 (10:35 AM): Tested Date 14/11/2023 - 18/11/2024

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)\*

6. \*\* = These data are non laboratory data / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

SUPPLEMENT TO TEST REPORT NO. 6610-1129

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

15/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

15/01/2024

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## Test Report

Request No : W6610031, W6611362

Report No : 6610-1129-1, 6701-0747

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100152, W 66111283

Sample Name : Effluent\*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard/l
Phenol *	mg/L	Distillation, Direct Photometric Method (SM:5530B,D)	0.035	≤1
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H <sub>2</sub> S	ZnS Precipitation, Iodometric Method (SM:4500 -S <sub>2</sub> - F)	0.69	≤1
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,028	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤50

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. /2 Sample No. W66111283 : Sampling Date 13/11/2023 (10:35 AM): Tested Date 14/11/2023 - 18/11/2024

3. @ = 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.

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


5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ก-0017)\*

6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(1-003-ก-0007)

15/01/2024



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(1-003-ก-0005)

15/01/2024

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## Test Report

Request No : W6610031, W6611362

Report No : 6610-1129-1,6701-0747

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100152, W 66111283

Sample Name : Effluent \*\*

Sampling Date : 02/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/10/2023, 14/11/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 15/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Trivalent Chromium *	mg/L as Cr <sup>3+</sup>	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	<0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤5

Physical Appearance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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. /2 Sample No. W66111283 : Sampling Date 13/11/2023 (10:35 AM): Tested Date 14/11/2023 - 18/11/2024

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)\*

6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

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

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6610031

Report No : 6610-1129

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100152

Sample Name : Effluent

Sampling Date : 02/10/2023

Sampling By : ETC

Sampling Time : 11:20 AM

Sampling Method : Grab

Received Date : 03/10/2023

Tested Date : 03/10/2023 - 14/10/2023

Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chlorine (Residual)	mg/L as Cl <sub>2</sub>	DPD Colorimetric Method (SM:4500 -Cl G)	0.1	≤1

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling

2. Container : Normal [ PE 0.5 L [ 6 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 Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

18/10/2023

Request No. W6610031

Report No. 6610-1129

## TEST REPORT

Customer : Amata City Rayong Co.,Ltd.  
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ## Sample No. : W 66100152  
Sample Name : Effluent Sampling Date : 02/10/2023  
Sampling By : ETC Sampling Time : 11:20 AM  
Sampling Method : Grab Received Date : 03/10/2023  
Tested Date : 03/10/2023 – 14/10/2023 Reported Date : 18/10/2023

Parameter	Unit	Method	Result	Standard
Organochlorine Pesticides				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410 B)	Not Detected	****

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling  
2. Container : Normal [ PE 0.5 L [ 6 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. \*\*\*\* ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด  
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)  
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางจังหวัดแห่งที่ 4 (WWTP4 CT)  
5. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Examined By .....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

18/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By .....

(Miss Nunnaphat Bakhuntod )

(ว-003-ค-0005)

18/10/2023

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## Test Report

Request No : W6610239

Report No : 6610-1649

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent \*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 10/10/2023 - 20/10/2023  
Sample No : W 66100919  
Sampling Date : 09/10/2023\*\*  
Sampling Time : 10:00 AM\*\*  
Received Date : 10/10/2023  
Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.0	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,412	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	11	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	41	≤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 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 Pompinan Viriyakusolkul (จ-003-ก-0036)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-C1)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
24/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
24/10/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6610239

Report No : 6610-1649

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66100919

Sample Name : Effluent

Sampling Date : 09/10/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 10/10/2023

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

Reported Date : 24/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	583	-

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 ]

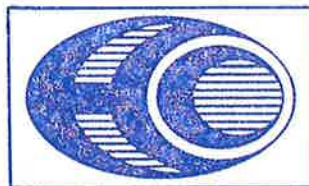
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. 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 Pornpinan Viriyakusolkul

5. #ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :



(Miss Apiradee Chuen-arom)

24/10/2023



## Test Report

Request No : W6610381, W6611360

Report No : 6610-2060-1, 6611-1836

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101379, W 66111280

Sample Name : Effluent\*\*

Sampling Date : 16/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023, 14/11/2023

Tested Date : 17/10/2023 - 25/10/2023

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.4	≤ 20
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)	0.04	≤ 2
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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. /2 Sample No. W66111280 : Sampling Date 13/11/2023 (10:35 AM) : Tested Date 14/11/2023 - 18/11/2023

3. @ = 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,

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/11/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

23/11/2023

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## Test Report

Request No : W6610381, W6611360

Report No : 6610-2060-1, 6611-1836

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101379, W66111280

Sample Name : Effluent\*\*

Sampling Date : 16/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023, 14/11/2023

Tested Date : 17/10/2023 - 25/10/2023

Reported Date : 23/11/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
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)	0.12	≤ 1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,488	≤ 3000

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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. /2 Sample No. W66111280 : Sampling Date 13/11/2023 (10:35 AM) : Tested Date 14/11/2023 - 18/11/2023

3. @ = 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,

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

5. \* = Test Report/Sampling marked Not Accredited. Sampling By Mr. Songpon Phiwuan (จ-003-ก-0016)\*

6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :

(Miss Apiradee Chuen-arom)  
(จ-003-ก-0007)  
23/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ก-0005)  
23/11/2023

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## Test Report

Request No : W6610381, W6611360  
Report No : 6610-2060-1, 6611-1836

Customer : Amata City Rayong Co., Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101379, W 66111280

Sample Name : Effluent\*\*

Sampling Date : 16/10/2023, 13/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:20 AM, 10:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/10/2023, 14/11/2023


Tested Date : 17/10/2023 - 25/10/2023

Reported Date : 23/11/2023


Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤50
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.27	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 3 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. /2 Sample No. W66111280 : Sampling Date 13/11/2023 (10:35 AM) : Tested Date 14/11/2023 - 18/11/2023  
3. @ = 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.  
4. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-0016)\*  
6. \*\* = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
23/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
23/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6610560, W 6612455

Report No : 6701-0174-1,6701-0177

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66101949, W 66121424

Sample Name : Effluent\*\*

Sampling Date : 25/10/2023, 18/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:20 AM, 10:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 26/10/2023, 19/12/2023

Tested Date : 26/10/2023 - 01/11/2023

Reported Date : 05/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.4	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	54	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,024	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	7	≤100
Total Suspended Solids #/2	mg/L	Dried at 103-105 degree celsius (SM:2540D)	40	≤50

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

2./2 Sample No. W66121424 : Sampling Date 18/12/2023 (10:40 AM): Tested Date 19/12/2023 - 20/12/2023

3. @ = 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.

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

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Warakorn Vitayasewee (ว-003-ค-7283)\*

6. \*\* = These data are non laboratory data./ ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

SUPPLEMENT TO TEST REPORT No. 6701-0174

Examined By : .....

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
05/01/2024



Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
05/01/2024

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## Test Report

Request No : W6610560

Report No : 6701-0174

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 26/10/2023 - 01/11/2023

Sample No : W 66101949

Sampling Date : 25/10/2023

Sampling Time : 9:20 AM

Received Date : 26/10/2023

Reported Date : 05/01/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	526	-

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

4. Sampling By Mr. Warakorn Vitayasewee

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611154

Report No : 6611-1446

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66110664

Sample Name : Effluent\*\*

Sampling Date : 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/11/2023

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

Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0031	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.8	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางท้าวเทพกระษัตรี 4 (WWTP4-CT)\*\*

Examined By :

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
20/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
20/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611154

Report No : 6611-1446

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66110664

Sample Name : Effluent\*\*

Sampling Date : 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/11/2023

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

Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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)	0.13	≤1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,108	≤3000

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

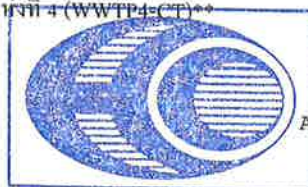
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

20/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

20/11/2023

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## Test Report

Request No : W6611154

Report No : 6611-1446

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66110664

Sample Name : Effluent \*\*

Sampling Date : 06/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:20 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/11/2023

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

Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Supharerk Phatklang (จ-003-ค-0031)\*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
20/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
20/11/2023

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent \*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 14/11/2023 - 22/11/2023

Request No : W6611359  
Report No : 6611-1874  
Sample No : W 66111278  
Sampling Date : 13/11/2023\*\*  
Sampling Time : 10:35 AM\*\*  
Received Date : 14/11/2023  
Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.7	≤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	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	29	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,064	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤50

Physical Apperance : 1. Sample : 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 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.

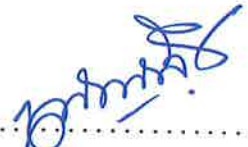
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ก-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ก-0007)  
24/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ก-0005)  
24/11/2023

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## Test Report

Request No : W6611359

Report No : 6611-1874

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111278

Sample Name : Effluent

Sampling Date : 13/11/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 14/11/2023

Tested Date : 14/11/2023 - 22/11/2023

Reported Date : 24/11/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	540	-

Physical Apperance : 1. Sample : lightly SS

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

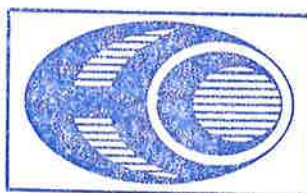
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. 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 Mr. Songpon Phiwan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

24/11/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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## Test Report

Request No : W6611499

Report No : 6611-2277

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111660

Sample Name : Effluent \*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 27/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.0	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : slightly - white, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Metee Sukprasert (จ-003-ค-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-C1)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
30/11/2023

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## Test Report


Customer : Amata City Rayong Co.,Ltd.\*\*  
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*  
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##  
Sample Name : Effluent \*\*  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 21/11/2023 - 27/11/2023

Request No : W6611499  
Report No : 6611-2277  
Sample No : W 66111660  
Sampling Date : 20/11/2023\*\*  
Sampling Time : 11:15 AM\*\*  
Received Date : 21/11/2023  
Reported Date : 30/11/2023


Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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)	0.14	≤1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,136	≤3000

Physical Apperance : 1. Sample : slightly - white, lightly SS  
2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Metee Sukprasert (จ-003-ค-0035)\*  
5. \*\* = These data are non laboratory data.  
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
30/11/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
30/11/2023

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## Test Report

Request No : W6611499

Report No : 6611-2277

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111660

Sample Name : Effluent\*\*

Sampling Date : 20/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 11:15 AM\*\*

Sampling Method : Grab\*\*

Received Date : 21/11/2023

Tested Date : 21/11/2023 - 27/11/2023

Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	41	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤5

Physical Apperance : 1. Sample : slightly - white, lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

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4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Metee Sukprasert (จ-003-ค-0035)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางของชีวภาพ แห่งที่ 4 (WWTP4-CT)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

30/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

30/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6611613

Report No : 6612-0066

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66111970

Sample Name : Effluent\*\*

Sampling Date : 27/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 10:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 28/11/2023

Tested Date : 28/11/2023 - 02/12/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.0	≤20
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	50	≤120
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,208	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	38	≤50

Physical Appearance : 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. /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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (WWTP4-CT)\*\*

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

06/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

06/12/2023

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## Test Report

Request No : W6611613

Report No : 6612-0066

Customer : Amata City Rayong Co.,Ltd.

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 28/11/2023 - 02/12/2023

Sample No : W 66111970

Sampling Date : 27/11/2023

Sampling Time : 10:50 AM

Received Date : 28/11/2023

Reported Date : 06/12/2023

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	561	-

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. /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 Mr. Songpon Phiwuan

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

06/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6612103

Report No : 6612-1086

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66120406

Sample Name : Effluent\*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 16/12/2023

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
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.1	≤20
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
Hexavalent Chromium *	mg/L as Cr <sup>6+</sup>	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Songpon Phiwan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 4 (WWTP4 CT)\*\*

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 : W6612103

Report No : 6612-1086

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66120406

Sample Name : Effluent \*\*

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

Sampling By : ETC\*\*

Sampling Time : 10:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 06/12/2023

Tested Date : 06/12/2023 - 16/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Lead @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
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)	0.10	≤1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,362	≤3000

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Songpon Phiwuan (ว-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (W-12-1)

Examined By : 

(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
21/12/2023



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Approved By : 

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

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## Test Report

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample Name : Effluent \*\*

Sampling By : ETC\*\*

Sampling Method : Grab\*\*

Tested Date : 06/12/2023 - 16/12/2023

Request No : W6612103

Report No : 6612-1086

Sample No : W 66120406

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

Sampling Time : 10:55 AM\*\*

Received Date : 06/12/2023

Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	19	≤50
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L [ 3 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 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 Mr. Songpon Phiwuan (จ-003-ค-0016)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTR-2023)\*\*

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)

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## Test Report

Request No : W6612291

Report No : 6612-1441

Customer : Amata City Rayong Co.,Ltd.\*\*

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230\*\*

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66121012

Sample Name : Effluent \*\*

Sampling Date : 11/12/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 22/12/2023

Reported Date : 25/12/2023

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.9	≤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	6.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	2,160	≤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 degree celsius (SM:2540D)	31	≤50

Physical Apperance : 1. Sample : white, 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 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 Mr. Parkpoom Buasawad (จ-003-ค-0017)\*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-C1)\*\*

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

25/12/2023



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Approved By : .....

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

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## Test Report

Request No : W6612291

Customer : Amata City Rayong Co.,Ltd.

Report No : 6612- 1441

Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 4 ##

Sample No : W 66121012

Sample Name : Effluent

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 12/12/2023 - 22/12/2023

Reported Date : 25/12/2023

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/L as Cl <sub>2</sub>	Argentometric Method (SM:4500-Cl- B)	604	

Physical Apperance : 1. Sample : white, lightly SS

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

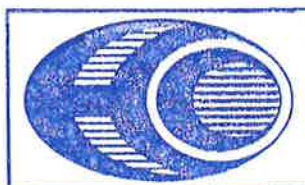
Remark : 1./I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

4. Sampling By Mr. Parkpoom Buasawad

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 4 (WWTP4-CT)



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Page 1 of 1

Examined By : (Miss Apiradee Chuen-arom)  
25/12/2023

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