

Request No. ATR6506028

Report No. 6506-0585 - 6506-0591

TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซีที ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด
 SAMPLE NAME : บ้านวังตาลหม่อน (A1)
 RECEIVED DATE : 13/06/2022 SAMPLE NO. : A65060585 - A65060591
 TESTED DATE : 13/06/2022-27/06/2022 REPORTED DATE : 28/06/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	04-05/06/2022	0.042	0.33	mg/m ³
		05-06/06/2022	0.057	0.33	mg/m ³
		06-07/06/2022	0.056	0.33	mg/m ³
		07-08/06/2022	0.060	0.33	mg/m ³
		08-09/06/2022	0.058	0.33	mg/m ³
		09-10/06/2022	0.057	0.33	mg/m ³
		10-11/06/2022	0.058	0.33	mg/m ³

REMARK:

^{/1} 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



(Mrs. Wanpen Lhaochindawat)

28/06/2022

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 WITHOUT THE WRITTEN APPROVAL LABORATORY

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Request No. ATR6506028

Report No. 6506-0578 - 6506-0584

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซีดี ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
 SAMPLE NAME : บ้านวังตาลหม่อน (A1)
 RECEIVED DATE : 13/06/2022 SAMPLE NO. : A65060578 - A65060584
 TESTED DATE : 13/06/2022-27/06/2022 REPORTED DATE : 28/06/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	04-05/06/2022	0.030	0.12	mg/m ³
		05-06/06/2022	0.029	0.12	mg/m ³
		06-07/06/2022	0.045	0.12	mg/m ³
		07-08/06/2022	0.044	0.12	mg/m ³
		08-09/06/2022	0.019	0.12	mg/m ³
		09-10/06/2022	0.028	0.12	mg/m ³
		10-11/06/2022	0.030	0.12	mg/m ³

REMARK:

^{/1} 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



(Mrs. Wanpen Lhaochindawat)

28/06/2022

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Request No. LA65-R0657

Report No. R6506-1856 – R6506-1862

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : บ้านวังตาลหม่อน (A1)
SAMPLE NO. : 12130-12136

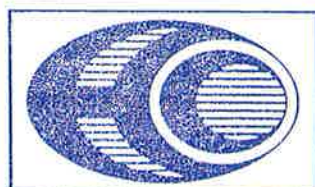
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

SAMPLING DATE	RESULT
	TEMPERATURE (°C) ¹
04-05/06/2022	29
05-06/06/2022	36
06-07/06/2022	36
07-08/06/2022	35
08-09/06/2022	34
09-10/06/2022	35
10-11/06/2022	33

REMARK : Parameter Outside The Scope of The Registration of The Department of Industrial works

¹ = Measured By Thermometer

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. ATR6506028

Report No. 6506-0571 - 6506-0577

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซีดี ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
 SAMPLE NAME : วัดราษฎร์อัสตาราม (A2)
 RECEIVED DATE : 13/06/2022 SAMPLE NO. : A65060571 - A65060577
 TESTED DATE : 13/06/2022-27/06/2022 REPORTED DATE : 28/06/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	04-05/06/2022	0.169	0.33	mg/m ³
		05-06/06/2022	0.115	0.33	mg/m ³
		06-07/06/2022	0.119	0.33	mg/m ³
		07-08/06/2022	0.173	0.33	mg/m ³
		08-09/06/2022	0.161	0.33	mg/m ³
		09-10/06/2022	0.204	0.33	mg/m ³
		10-11/06/2022	0.209	0.33	mg/m ³

REMARK:

^{1/} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

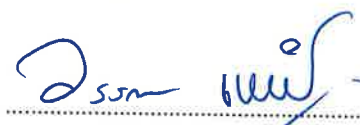
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Mrs. Wanpen Lhaochindawat)

28/06/2022

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Request No. ATR6506028

Report No. 6506-0564 - 6506-0570

TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซีที ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด
 SAMPLE NAME : วัดราษฎร์อัสตาราม (A2)
 RECEIVED DATE : 13/06/2022 SAMPLE NO. : A65060564 - A65060570
 TESTED DATE : 13/06/2022-27/06/2022 REPORTED DATE : 28/06/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	04-05/06/2022	0.036	0.12	mg/m ³
		05-06/06/2022	0.040	0.12	mg/m ³
		06-07/06/2022	0.039	0.12	mg/m ³
		07-08/06/2022	0.052	0.12	mg/m ³
		08-09/06/2022	0.029	0.12	mg/m ³
		09-10/06/2022	0.043	0.12	mg/m ³
		10-11/06/2022	0.044	0.12	mg/m ³

REMARK:

^{/1} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

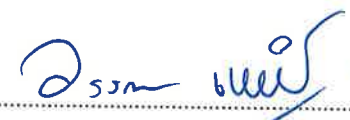
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Mrs. Wanpen Lhaochindawat)

28/06/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R0657

Report No. R6506-1849 – R6506-1855

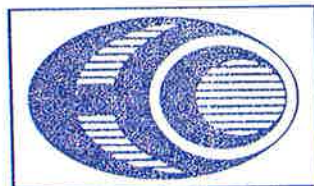
TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
 SAMPLE POINT : วัดราษฎร์อัสตาราม (A2) RECEIVED DATE : 11/06/2022
 SAMPLE NO. : 12123-12129 REPORTED DATE : 16/06/2022

SAMPLING DATE	RESULT
	TEMPERATURE (°C) ¹
04-05/06/2022	30
05-06/06/2022	34
06-07/06/2022	33
07-08/06/2022	33
08-09/06/2022	32
09-10/06/2022	29
10-11/06/2022	33

REMARK : Parameter Outside The Scope of The Registration of The Department of Industrial works¹ = Measured By Thermometer

(Measurement By Mr. Tummarut Photankhum)

Approved By Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/06/2022

 บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด
 REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. ATR6506028

Report No. 6506-0599 - 6506-0605

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 : 13/06/2022 SAMPLE NO. : A65060599 - A65060605

TESTED DATE : 13/06/2022-27/06/2022 REPORTED DATE : 28/06/2022

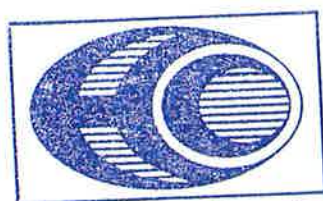
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	04-05/06/2022	0.169	0.33	mg/m ³
		05-06/06/2022	0.121	0.33	mg/m ³
		06-07/06/2022	0.123	0.33	mg/m ³
		07-08/06/2022	0.139	0.33	mg/m ³
		08-09/06/2022	0.184	0.33	mg/m ³
		09-10/06/2022	0.198	0.33	mg/m ³
		10-11/06/2022	0.174	0.33	mg/m ³

REMARK:

^{/1} 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



(Mrs. Wanpen Lhaochindawat)

28/06/2022

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Request No. ATR6506028

Report No. 6506-0592 - 6506-0598

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 : 13/06/2022 SAMPLE NO. : A65060592 - A65060598
TESTED DATE : 13/06/2022-27/06/2022 REPORTED DATE : 28/06/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	04-05/06/2022	0.052	0.12	mg/m ³
		05-06/06/2022	0.038	0.12	mg/m ³
		06-07/06/2022	0.048	0.12	mg/m ³
		07-08/06/2022	0.046	0.12	mg/m ³
		08-09/06/2022	0.042	0.12	mg/m ³
		09-10/06/2022	0.049	0.12	mg/m ³
		10-11/06/2022	0.039	0.12	mg/m ³

REMARK:

¹ 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



(Mrs. Wanpen Lhaochindawat)

28/06/2022

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Request No. LA65-R0657

Report No. R6506-1863 – R6506-1869

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด

ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230

SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด

SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)

RECEIVED DATE : 11/06/2022

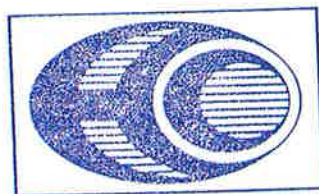
SAMPLE NO. : 12137-12143

REPORTED DATE : 16/06/2022

SAMPLING DATE	RESULT
	TEMPERATURE (°C) ¹
04-05/06/2022	29
05-06/06/2022	36
06-07/06/2022	37
07-08/06/2022	36
08-09/06/2022	42
09-10/06/2022	38
10-11/06/2022	40

REMARK : Parameter Outside The Scope of The Registration of The Department of Industrial works¹ = Measured By Thermometer

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-1793 - R6506-1799

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : บ้านวังตาลหม่อน (A1)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model M100E S/N 3220

SAMPLE NO. : 12064-12070
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	04-05/06/2022	05-06/06/2022	06-07/06/2022	UNIT
10:00 - 11:00 ^{1/3}	0.008	0.008	0.010	ppm
11:00 - 12:00	0.008	0.006	0.008	ppm
12:00 - 13:00	0.008	0.008	0.007	ppm
13:00 - 14:00	0.008	0.006	0.003	ppm
14:00 - 15:00	0.008	0.003	0.003	ppm
15:00 - 16:00	0.009	0.005	0.003	ppm
16:00 - 17:00	0.009	0.004	0.003	ppm
17:00 - 18:00	0.012	0.005	0.005	ppm
18:00 - 19:00	0.013	0.006	0.007	ppm
19:00 - 20:00	0.012	0.005	0.005	ppm
20:00 - 21:00	0.012	0.006	0.004	ppm
21:00 - 22:00	0.009	0.007	0.003	ppm
22:00 - 23:00	0.009	0.015	0.004	ppm
23:00 - 00:00	0.009	0.004	0.005	ppm
00:00 - 01:00	0.008	0.004	0.004	ppm
01:00 - 02:00	0.008	0.004	0.004	ppm
02:00 - 03:00	0.009	0.004	0.003	ppm
03:00 - 04:00	0.010	0.004	0.003	ppm
04:00 - 05:00	0.012	0.004	0.003	ppm
05:00 - 06:00	0.011	0.004	0.004	ppm
06:00 - 07:00	0.009	0.005	0.005	ppm
07:00 - 08:00	0.009	0.008	0.005	ppm
08:00 - 09:00	0.009	0.016	0.005	ppm
09:00 - 10:00	0.008	0.015	0.005	ppm
Maximum 1 hr.	0.013	0.016	0.010	ppm
Average 24 hr.	0.009	0.006	0.005	ppm
Standard (1 hr.) ^{1/1}	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ^{1/2}	0.12	0.12	0.12	ppm

REMARK : ^{1/1} Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)^{1/2} Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Photakulchai)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By. *Thongchai Boonsak*
(MR. THONGCHAI BOONSAK)

16/06/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R0657

Report No. R6506-1793 - R6506-1799

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต รัชของ จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะชีวิต รัชของ จำกัด
SAMPLE POINT : บ้านวังตาลหมอน (A1)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model M100E S/N 3220

SAMPLE NO. : 12064-12070
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	07-08/06/2022	08-09/06/2022	09-10/06/2022	UNIT
10:00 - 11:00 ^{1/3}	0.004	0.011	0.011	ppm
11:00 - 12:00	0.004	0.012	0.012	ppm
12:00 - 13:00	0.004	0.004	0.008	ppm
13:00 - 14:00	0.004	0.005	0.005	ppm
14:00 - 15:00	0.004	0.003	0.002	ppm
15:00 - 16:00	0.004	0.003	0.003	ppm
16:00 - 17:00	0.003	0.003	0.002	ppm
17:00 - 18:00	0.004	0.003	0.003	ppm
18:00 - 19:00	0.005	0.004	0.004	ppm
19:00 - 20:00	0.005	0.003	0.003	ppm
20:00 - 21:00	0.005	0.003	0.004	ppm
21:00 - 22:00	0.005	0.003	0.004	ppm
22:00 - 23:00	0.005	0.003	0.005	ppm
23:00 - 00:00	0.005	0.005	0.011	ppm
00:00 - 01:00	0.005	0.008	0.004	ppm
01:00 - 02:00	0.005	0.003	0.005	ppm
02:00 - 03:00	0.006	0.004	0.005	ppm
03:00 - 04:00	0.008	0.004	0.005	ppm
04:00 - 05:00	0.010	0.003	0.004	ppm
05:00 - 06:00	0.005	0.003	0.004	ppm
06:00 - 07:00	0.004	0.004	0.005	ppm
07:00 - 08:00	0.005	0.005	0.005	ppm
08:00 - 09:00	0.008	0.006	0.005	ppm
09:00 - 10:00	0.009	0.007	0.005	ppm
Maximum 1 hr.	0.010	0.012	0.012	ppm
Average 24 hr.	0.005	0.005	0.005	ppm
Standard (1 hr.) ^{1/1}	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ^{1/2}	0.12	0.12	0.12	ppm

REMARK : ^{1/1} Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)^{1/2} Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)^{1/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummaru Photankarn)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By Thongchai Boonsak
(MR. THONGCHAI BOONSAK)

16/06/2022

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

COPY

Request No. LA65-R0657

Report No. R6506-1793 - R6506-1799

TEST REPORT


CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
SAMPLE POINT : บ้านวังตาลหม่อน (A1)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model M100E S/N 3220

SAMPLE NO. : 12064-12070
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	10-11/06/2022	UNIT
10:00 - 11:00 ³	0.005	ppm
11:00 - 12:00	0.004	ppm
12:00 - 13:00	0.004	ppm
13:00 - 14:00	0.005	ppm
14:00 - 15:00	0.009	ppm
15:00 - 16:00	0.009	ppm
16:00 - 17:00	0.006	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	0.002	ppm
04:00 - 05:00	0.002	ppm
05:00 - 06:00	0.003	ppm
06:00 - 07:00	0.003	ppm
07:00 - 08:00	0.004	ppm
08:00 - 09:00	0.004	ppm
09:00 - 10:00	0.004	ppm
Maximum 1 hr.	0.009	ppm
Average 24 hr.	0.004	ppm
Standard (1 hr.) ¹	0.30	ppm
Standard (Average 24 hr.) ²	0.12	ppm

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

Approved By



(MR. THONGCHAI BOONSAK)

16/06/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R0657

Report No. R6506-1807 - R6506-1813

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต ะยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะชีวิต ะยอง จำกัด
SAMPLE POINT : วัดราษฎร์อัสคาราม (A2)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : Horiba Model APSA-370 S/N 3XLWFYVJ

SAMPLE NO. : 12078-12084
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	04-05/06/2022	05-06/06/2022	06-07/06/2022	UNIT
11:00 - 12:00 ³	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
09:00 - 10:00	0.001	0.001	0.001	ppm
10:00 - 11:00	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.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(MR. THONGCHAI BOONSACK)

16/06/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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COPY

Request No. LA65-R0657

Report No. R6506-1807 - R6506-1813

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : วัดราษฎร์อัสตาราม (A2)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : Horiba Model APSA-370 S/N 3XLWFYVJ

SAMPLE NO. : 12078-12084
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	07-08/06/2022	08-09/06/2022	09-10/06/2022	UNIT
11:00 - 12:00 ³	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	0.002	ppm
07:00 - 08:00	0.001	0.001	0.001	ppm
08:00 - 09:00	0.001	0.001	0.001	ppm
09:00 - 10:00	0.001	0.001	0.001	ppm
10:00 - 11:00	0.001	0.001	0.001	ppm
Maximum 1 hr.	0.001	0.001	0.002	ppm
Average 24 hr.	0.001	0.001	0.001	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Chonkham)
 Approved By: 
(MR. THONGCHAI BOONSAK)

16/06/2022

 บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R0657

Report No. R6506-1807 - R6506-1813

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
SAMPLE POINT : วัดราษฎร์อัสตาราม (A2)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : Horiba Model APSA-370 S/N 3XLWFYVJ

SAMPLE NO. : 12078-12084
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	10-11/06/2022	UNIT
11:00 - 12:00 ¹³	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	0.002	ppm
23:00 - 00:00	0.002	ppm
00:00 - 01:00	0.002	ppm
01:00 - 02:00	0.002	ppm
02:00 - 03:00	0.002	ppm
03:00 - 04:00	0.002	ppm
04:00 - 05:00	0.002	ppm
05:00 - 06:00	0.002	ppm
06:00 - 07:00	0.002	ppm
07:00 - 08:00	0.002	ppm
08:00 - 09:00	0.002	ppm
09:00 - 10:00	0.001	ppm
10:00 - 11:00	0.001	ppm
Maximum 1 hr.	0.002	ppm
Average 24 hr.	0.001	ppm
Standard (1 hr.) ¹¹	0.30	ppm
Standard (Average 24 hr.) ¹²	0.12	ppm

REMARK :

¹¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)

¹² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)

¹³ Start Time

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



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Approved By 
(MR. THONGCHAI BOONSAK)

16/06/2022

COPY

Request No. LA65-R0657

Report No. R6506-1779 - R6506-1785

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี รัชของ จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีดี รัชของ จำกัด
SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 1607

SAMPLE NO. : 12050-12056
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	04-05/06/2022	05-06/06/2022	06-07/06/2022	UNIT
11:00 - 12:00 ³	0.003	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	0.002	0.004	0.004	ppm
15:00 - 16:00	0.002	0.004	0.004	ppm
16:00 - 17:00	0.002	0.004	0.004	ppm
17:00 - 18:00	0.003	0.004	0.004	ppm
18:00 - 19:00	0.003	0.004	0.004	ppm
19:00 - 20:00	0.003	0.004	0.004	ppm
20:00 - 21:00	0.004	0.004	0.004	ppm
21:00 - 22:00	0.004	0.004	0.004	ppm
22:00 - 23:00	0.004	0.004	0.004	ppm
23:00 - 00:00	0.004	0.004	0.004	ppm
00:00 - 01:00	0.004	0.005	0.003	ppm
01:00 - 02:00	0.004	0.005	0.004	ppm
02:00 - 03:00	0.004	0.005	0.004	ppm
03:00 - 04:00	0.004	0.005	0.004	ppm
04:00 - 05:00	0.004	0.005	0.004	ppm
05:00 - 06:00	0.004	0.005	0.004	ppm
06:00 - 07:00	0.005	0.005	0.004	ppm
07:00 - 08:00	0.005	0.005	0.004	ppm
08:00 - 09:00	0.005	0.005	0.004	ppm
09:00 - 10:00	0.005	0.005	0.004	ppm
10:00 - 11:00	0.004	0.004	0.004	ppm
Maximum 1 hr.	0.005	0.005	0.004	ppm
Average 24 hr.	0.004	0.004	0.004	ppm
Standard (1 hr.) ^{1/1}	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ^{2/2}	0.12	0.12	0.12	ppm

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

Approved By



(MR. THONGCHAI BOONSAK)

16/06/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R0657

Report No. R6506-1779 - R6506-1785

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหิรา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 1607

SAMPLE NO. : 12050-12056
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	07-08/06/2022	08-09/06/2022	09-10/06/2022	UNIT
11:00 - 12:00 ³	0.004	0.003	0.003	ppm
12:00 - 13:00	0.004	0.003	0.003	ppm
13:00 - 14:00	0.003	0.003	0.003	ppm
14:00 - 15:00	0.002	0.003	0.003	ppm
15:00 - 16:00	0.002	0.003	0.003	ppm
16:00 - 17:00	0.003	0.003	0.003	ppm
17:00 - 18:00	0.003	0.003	0.002	ppm
18:00 - 19:00	0.003	0.002	0.002	ppm
19:00 - 20:00	0.003	0.002	0.003	ppm
20:00 - 21:00	0.003	0.002	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	0.004	0.003	0.003	ppm
00:00 - 01:00	0.004	0.003	0.003	ppm
01:00 - 02:00	0.003	0.003	0.003	ppm
02:00 - 03:00	0.004	0.002	0.003	ppm
03:00 - 04:00	0.004	0.003	0.003	ppm
04:00 - 05:00	0.004	0.003	0.003	ppm
05:00 - 06:00	0.004	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	0.004	0.004	ppm
09:00 - 10:00	0.004	0.004	0.004	ppm
10:00 - 11:00	0.003	0.003	0.004	ppm
Maximum 1 hr.	0.004	0.004	0.004	ppm
Average 24 hr.	0.003	0.003	0.003	ppm
Standard (1 hr.) ^{1/1}	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ^{2/2}	0.12	0.12	0.12	ppm

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: *Thongchai Boonsak*
(MR. THONGCHAI BOONSAK)

16/06/2022

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

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Request No. LA65-R0657

Report No. R6506-1779 - R6506-1785

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 1607

SAMPLE NO. : 12050-12056
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	10-11/06/2022	UNIT
11:00 - 12:00 ³	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
09:00 - 10:00	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.) ^{1/}	0.30	ppm
Standard (Average 24 hr.) ^{2/}	0.12	ppm

REMARK : ^{1/} Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)^{2/} Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)^{3/} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tunmatt Pholprakhum)

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 *Thongchai Boonsak*
(MR. THONGCHAI BOONSACK)

16/06/2022

COPY

Request No. LA65-R0657

Report No. R6506-1800 - R6506-1806

TEST REPORT

CUSTOMER	บริษัท อมตะซีที ระยอง จำกัด	SAMPLE NO.	12071-12077
ADDRESS	7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตร์ราชา จังหวัดชลบุรี 20230	SAMPLING DATE	04-11/06/2022
SAMPLE SOURCE	บริษัท อมตะซีที ระยอง จำกัด	RECEIVED DATE	11/06/2022
SAMPLE POINT	บ้านวังตาลหม่อน (A1)	REPORTED DATE	16/06/2022
PARAMETER*	Nitrogen Dioxide		
DETERMINATION METHOD	Chemiluminescence		
INSTRUMENT	API Model T200 S/N ENOAIT20002468		

TIME / DATE	04-05/06/2022	05-06/06/2022	06-07/06/2022	UNIT
10:00 - 11:00 ^{/2}	0.013	0.024	0.027	ppm
11:00 - 12:00	0.012	0.023	0.027	ppm
12:00 - 13:00	0.026	0.020	0.040	ppm
13:00 - 14:00	0.027	0.027	0.015	ppm
14:00 - 15:00	0.025	0.024	0.022	ppm
15:00 - 16:00	0.027	0.029	0.014	ppm
16:00 - 17:00	0.028	0.020	0.021	ppm
17:00 - 18:00	0.032	0.029	0.015	ppm
18:00 - 19:00	0.032	0.030	0.022	ppm
19:00 - 20:00	0.029	0.016	0.023	ppm
20:00 - 21:00	0.027	0.018	0.025	ppm
21:00 - 22:00	0.026	0.017	0.025	ppm
22:00 - 23:00	0.013	0.018	0.025	ppm
23:00 - 00:00	0.009	0.017	0.024	ppm
00:00 - 01:00	0.004	0.016	0.023	ppm
01:00 - 02:00	0.004	0.015	0.022	ppm
02:00 - 03:00	0.006	0.012	0.022	ppm
03:00 - 04:00	0.007	0.014	0.020	ppm
04:00 - 05:00	0.004	0.014	0.020	ppm
05:00 - 06:00	0.014	0.014	0.020	ppm
06:00 - 07:00	0.032	0.012	0.021	ppm
07:00 - 08:00	0.030	0.028	0.021	ppm
08:00 - 09:00	0.029	0.028	0.020	ppm
09:00 - 10:00	0.025	0.026	0.019	ppm
Maximum 1 hr.	0.032	0.030	0.040	ppm
Average 24 hr.	0.020	0.020	0.022	ppm
Standard (1 hr.) ^{/1}	0.17	0.17	0.17	ppm

REMARK : ^{/1} Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)^{/2} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tunmarat Phibhakhan)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-1800 - R6506-1806

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
SAMPLE POINT : บ้านวังตาลหมอน (A1)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N ENOAIT20002468

SAMPLE NO. : 12071-12077
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	07-08/06/2022	08-09/06/2022	09-10/06/2022	UNIT
10:00 - 11:00 ^{/2}	0.019	0.014	0.014	ppm
11:00 - 12:00	0.019	0.011	0.012	ppm
12:00 - 13:00	0.021	0.013	0.010	ppm
13:00 - 14:00	0.014	0.014	0.011	ppm
14:00 - 15:00	0.015	0.010	0.009	ppm
15:00 - 16:00	0.017	0.012	0.010	ppm
16:00 - 17:00	0.014	0.007	0.011	ppm
17:00 - 18:00	0.016	0.012	0.008	ppm
18:00 - 19:00	0.017	0.011	0.011	ppm
19:00 - 20:00	0.017	0.012	0.013	ppm
20:00 - 21:00	0.018	0.014	0.015	ppm
21:00 - 22:00	0.018	0.015	0.013	ppm
22:00 - 23:00	0.017	0.014	0.013	ppm
23:00 - 00:00	0.018	0.014	0.014	ppm
00:00 - 01:00	0.017	0.015	0.014	ppm
01:00 - 02:00	0.016	0.017	0.021	ppm
02:00 - 03:00	0.016	0.016	0.019	ppm
03:00 - 04:00	0.015	0.017	0.012	ppm
04:00 - 05:00	0.014	0.014	0.013	ppm
05:00 - 06:00	0.014	0.014	0.012	ppm
06:00 - 07:00	0.015	0.014	0.012	ppm
07:00 - 08:00	0.016	0.014	0.011	ppm
08:00 - 09:00	0.016	0.014	0.012	ppm
09:00 - 10:00	0.015	0.014	0.010	ppm
Maximum 1 hr.	0.021	0.017	0.021	ppm
Average 24 hr.	0.016	0.013	0.012	ppm
Standard (1 hr.) ^{/1}	0.17	0.17	0.17	ppm

REMARK : ^{/1} Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)^{/2} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Thongkham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MR. THONGCHAI BOONSAK)

16/06/2022

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ISO/IEC 17025

Request No. LA65-R0657

Report No. R6506-1800 - R6506-1806

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะชีวิต ระยอง จำกัด
SAMPLE POINT : บ้านวังตาลหม่อน (A1)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N ENOAIT20002468

SAMPLE NO. : 12071-12077
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	10-11/06/2022	UNIT
10:00 - 11:00 ¹²	0.011	ppm
11:00 - 12:00	0.012	ppm
12:00 - 13:00	0.009	ppm
13:00 - 14:00	0.009	ppm
14:00 - 15:00	0.012	ppm
15:00 - 16:00	0.009	ppm
16:00 - 17:00	0.008	ppm
17:00 - 18:00	0.010	ppm
18:00 - 19:00	0.012	ppm
19:00 - 20:00	0.011	ppm
20:00 - 21:00	0.010	ppm
21:00 - 22:00	0.011	ppm
22:00 - 23:00	0.012	ppm
23:00 - 00:00	0.011	ppm
00:00 - 01:00	0.012	ppm
01:00 - 02:00	0.011	ppm
02:00 - 03:00	0.012	ppm
03:00 - 04:00	0.011	ppm
04:00 - 05:00	0.010	ppm
05:00 - 06:00	0.010	ppm
06:00 - 07:00	0.010	ppm
07:00 - 08:00	0.010	ppm
08:00 - 09:00	0.010	ppm
09:00 - 10:00	0.009	ppm
Maximum 1 hr.	0.012	ppm
Average 24 hr.	0.010	ppm
Standard (1 hr.) ¹¹	0.17	ppm

REMARK : ¹¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)¹² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarin Pholankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-I814 - R6506-I820

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : วัดราษฎร์อัสตาราม (A2)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : Ecotech Model ML9841A S/N 03-0029

SAMPLE NO. : 12085-12091
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	04-05/06/2022	05-06/06/2022	06-07/06/2022	UNIT
11:00 - 12:00 ¹²	0.002	0.002	<0.001	ppm
12:00 - 13:00	0.003	0.005	<0.001	ppm
13:00 - 14:00	0.003	0.004	0.004	ppm
14:00 - 15:00	0.003	0.004	0.003	ppm
15:00 - 16:00	0.003	0.004	0.003	ppm
16:00 - 17:00	0.003	0.004	0.004	ppm
17:00 - 18:00	0.004	0.004	0.005	ppm
18:00 - 19:00	0.004	0.003	0.005	ppm
19:00 - 20:00	0.004	0.003	0.004	ppm
20:00 - 21:00	0.003	0.003	0.005	ppm
21:00 - 22:00	0.003	0.003	0.005	ppm
22:00 - 23:00	0.002	0.002	0.004	ppm
23:00 - 00:00	0.002	0.002	0.002	ppm
00:00 - 01:00	0.001	0.002	0.002	ppm
01:00 - 02:00	0.001	0.001	0.001	ppm
02:00 - 03:00	0.002	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
09:00 - 10:00	<0.001	0.001	0.001	ppm
10:00 - 11:00	0.001	0.001	0.002	ppm
Maximum 1 hr.	0.004	0.005	0.005	ppm
Average 24 hr.	0.002	0.002	0.002	ppm
Standard (1 hr.) ¹¹	0.17	0.17	0.17	ppm

REMARK : ¹¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)¹² Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Photakham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-1814 - R6506-1820

TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหีบ จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด
SAMPLE POINT : วัดราษฎร์อัสตาราม (A2)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : Ecotech Model ML9841A S/N 03-0029

SAMPLE NO. : 12085-12091
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	07-08/06/2022	08-09/06/2022	09-10/06/2022	UNIT
11:00 - 12:00 ¹²	0.002	0.002	0.002	ppm
12:00 - 13:00	0.005	0.003	0.004	ppm
13:00 - 14:00	0.004	0.003	0.003	ppm
14:00 - 15:00	0.003	0.004	0.003	ppm
15:00 - 16:00	0.004	0.004	0.003	ppm
16:00 - 17:00	0.004	0.004	0.003	ppm
17:00 - 18:00	0.004	0.004	0.004	ppm
18:00 - 19:00	0.004	0.005	0.004	ppm
19:00 - 20:00	0.004	0.005	0.004	ppm
20:00 - 21:00	0.004	0.004	0.003	ppm
21:00 - 22:00	0.004	0.004	0.003	ppm
22:00 - 23:00	0.003	0.003	0.002	ppm
23:00 - 00:00	0.003	0.003	0.002	ppm
00:00 - 01:00	0.002	0.002	0.001	ppm
01:00 - 02:00	0.002	0.002	0.001	ppm
02:00 - 03:00	0.001	0.002	0.001	ppm
03:00 - 04:00	0.001	0.002	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
09:00 - 10:00	0.001	0.001	0.001	ppm
10:00 - 11:00	0.002	0.002	0.001	ppm
Maximum 1 hr.	0.005	0.005	0.004	ppm
Average 24 hr.	0.003	0.003	0.002	ppm
Standard (1 hr.) ¹¹	0.17	0.17	0.17	ppm

REMARK : ¹¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)¹² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarue Phothakham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By Thongchai Boonsak
(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-1814 - R6506-1820

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* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : Ecotech Model ML9841A S/N 03-0029

SAMPLE NO. : 12085-12091
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	10-11/06/2022	UNIT
11:00 - 12:00 ²	0.004	ppm
12:00 - 13:00	0.004	ppm
13:00 - 14:00	0.004	ppm
14:00 - 15:00	0.004	ppm
15:00 - 16:00	0.004	ppm
16:00 - 17:00	0.004	ppm
17:00 - 18:00	0.004	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	0.002	ppm
23:00 - 00:00	0.002	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
09:00 - 10:00	<0.001	ppm
10:00 - 11:00	0.001	ppm
Maximum 1 hr.	0.004	ppm
Average 24 hr.	0.002	ppm
Standard (1 hr.) ¹	0.17	ppm

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-1786 - R6506-1792

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6757

SAMPLE NO. : 12057-12063
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	04-05/06/2022	05-06/06/2022	06-07/06/2022	UNIT
11:00 - 12:00 ²	0.005	0.007	0.008	ppm
12:00 - 13:00	0.006	0.008	0.006	ppm
13:00 - 14:00	0.006	0.006	0.005	ppm
14:00 - 15:00	0.006	0.009	0.004	ppm
15:00 - 16:00	0.010	0.009	0.004	ppm
16:00 - 17:00	0.011	0.006	0.006	ppm
17:00 - 18:00	0.013	0.006	0.006	ppm
18:00 - 19:00	0.012	0.007	0.010	ppm
19:00 - 20:00	0.008	0.008	0.008	ppm
20:00 - 21:00	0.007	0.008	0.013	ppm
21:00 - 22:00	0.009	0.007	0.006	ppm
22:00 - 23:00	0.008	0.005	0.005	ppm
23:00 - 00:00	0.008	0.004	0.005	ppm
00:00 - 01:00	0.006	0.005	0.004	ppm
01:00 - 02:00	0.006	0.004	0.004	ppm
02:00 - 03:00	0.005	0.003	0.003	ppm
03:00 - 04:00	0.005	0.002	0.003	ppm
04:00 - 05:00	0.005	0.003	0.003	ppm
05:00 - 06:00	0.005	0.004	0.003	ppm
06:00 - 07:00	0.005	0.004	0.004	ppm
07:00 - 08:00	0.006	0.005	0.005	ppm
08:00 - 09:00	0.007	0.007	0.006	ppm
09:00 - 10:00	0.007	0.010	0.007	ppm
10:00 - 11:00	0.007	0.007	0.007	ppm
Maximum 1 hr.	0.013	0.010	0.013	ppm
Average 24 hr.	0.007	0.006	0.006	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK :

¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/06/2022

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Request No. LA65-R0657

Report No. R6506-1786 - R6506-1792

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านกุไทร (A3)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6757

SAMPLE NO. : 12057-12063
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	07-08/06/2022	08-09/06/2022	09-10/06/2022	UNIT
11:00 - 12:00 ¹²	0.007	0.008	0.007	ppm
12:00 - 13:00	0.009	0.006	0.006	ppm
13:00 - 14:00	0.005	0.004	0.005	ppm
14:00 - 15:00	0.007	0.004	0.005	ppm
15:00 - 16:00	0.007	0.004	0.005	ppm
16:00 - 17:00	0.008	0.009	0.011	ppm
17:00 - 18:00	0.009	0.013	0.014	ppm
18:00 - 19:00	0.010	0.008	0.009	ppm
19:00 - 20:00	0.008	0.008	0.008	ppm
20:00 - 21:00	0.009	0.009	0.007	ppm
21:00 - 22:00	0.009	0.013	0.008	ppm
22:00 - 23:00	0.008	0.010	0.006	ppm
23:00 - 00:00	0.008	0.008	0.007	ppm
00:00 - 01:00	0.006	0.009	0.005	ppm
01:00 - 02:00	0.005	0.007	0.005	ppm
02:00 - 03:00	0.006	0.007	0.004	ppm
03:00 - 04:00	0.006	0.006	0.005	ppm
04:00 - 05:00	0.005	0.006	0.003	ppm
05:00 - 06:00	0.004	0.005	0.004	ppm
06:00 - 07:00	0.005	0.005	0.004	ppm
07:00 - 08:00	0.009	0.007	0.004	ppm
08:00 - 09:00	0.008	0.009	0.007	ppm
09:00 - 10:00	0.008	0.008	0.007	ppm
10:00 - 11:00	0.009	0.009	0.009	ppm
Maximum 1 hr.	0.010	0.013	0.014	ppm
Average 24 hr.	0.007	0.008	0.007	ppm
Standard (1 hr.) ¹¹	0.17	0.17	0.17	ppm

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

Approved By



(MR. THONGCHAI BOONSAK)

16/06/2022

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



Request No. LA65-R0657

Report No. R6506-1786 - R6506-1792

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านภูไทร (A3)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6757

SAMPLE NO. : 12057-12063
SAMPLING DATE : 04-11/06/2022
RECEIVED DATE : 11/06/2022
REPORTED DATE : 16/06/2022

TIME / DATE	10-11/06/2022	UNIT
11:00 - 12:00 ^{/2}	0.008	ppm
12:00 - 13:00	0.007	ppm
13:00 - 14:00	0.006	ppm
14:00 - 15:00	0.006	ppm
15:00 - 16:00	0.006	ppm
16:00 - 17:00	0.008	ppm
17:00 - 18:00	0.009	ppm
18:00 - 19:00	0.012	ppm
19:00 - 20:00	0.011	ppm
20:00 - 21:00	0.007	ppm
21:00 - 22:00	0.008	ppm
22:00 - 23:00	0.007	ppm
23:00 - 00:00	0.005	ppm
00:00 - 01:00	0.005	ppm
01:00 - 02:00	0.005	ppm
02:00 - 03:00	0.004	ppm
03:00 - 04:00	0.004	ppm
04:00 - 05:00	0.004	ppm
05:00 - 06:00	0.007	ppm
06:00 - 07:00	0.006	ppm
07:00 - 08:00	0.005	ppm
08:00 - 09:00	0.008	ppm
09:00 - 10:00	0.008	ppm
10:00 - 11:00	0.006	ppm
Maximum 1 hr.	0.012	ppm
Average 24 hr.	0.007	ppm
Standard (1 hr.) ^{/1}	0.17	ppm

REMARK : ^{/1} Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)^{/2} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Phatthanakun)



Approved By

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/06/2022

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

แผนผังทิศทางและความเร็วลม

Request No. LA65-R065

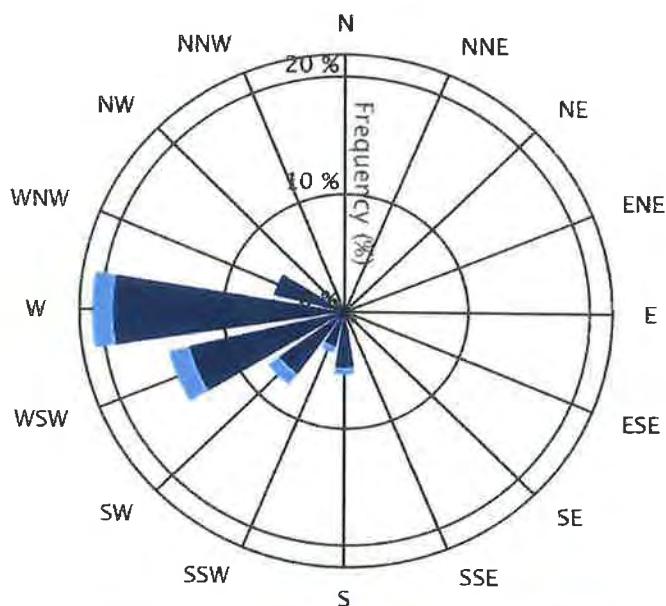
บริษัท อมตะซีดี ระยอง จำกัด

Sample No. 1212

จุดตรวจวัด : บ้านวังตาลหม่อน (A1)

วันที่ตรวจวัด : 4-11 มิถุนายน 2565

Calm 39.9 %



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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	4.8	0.6	0.0	0.0	0.0	0.0	5.4
SSW	3.0	0.6	0.0	0.0	0.0	0.0	3.6
SW	6.6	1.2	0.0	0.0	0.0	0.0	7.8
WSW	13.1	1.8	0.0	0.0	0.0	0.0	14.9
W	19.1	1.8	0.0	0.0	0.0	0.0	20.9
WNW	6.0	0.0	0.0	0.0	0.0	0.0	6.0
NW	0.6	0.0	0.0	0.0	0.0	0.0	0.6
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	39.9						

COPY



แผนผังทิศทางและความเร็วลม

Request No. LA65-R0657

บริษัท อมตะชีตี ระยอง จำกัด

Sample No. 12121

จุดตรวจวัด : บ้านวังตาลหม่อน (A1)

วันที่ตรวจวัด : 4-11 มิถุนายน 2565

เวลา	4-5 มิถุนายน 2565		5-6 มิถุนายน 2565		6-7 มิถุนายน 2565		7-8 มิถุนายน 2565		8-9 มิถุนายน 2565		9-10 มิถุนายน 2565		10-11 มิถุนายน 2565	
	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	SW	0.9	WSW	0.9	SW	0.4	WSW	0.9	W	0.4	WSW	0.4	W
11:00-12:00	0.9	SW	1.3	WSW	0.9	SW	0.9	WSW	2.7	W	0.4	WNW	0.4	W
12:00-13:00	1.3	S	0.9	W	2.2	SW	0.9	WSW	2.2	W	0.4	WNW	0.9	WSW
13:00-14:00	2.2	S	0.4	WSW	1.8	W	2.2	WSW	1.3	WSW	0.4	WNW	0.9	WSW
14:00-15:00	0.9	S	0.4	WNW	0.4	W	3.1	W	0.9	W	0.4	WSW	1.3	WSW
15:00-16:00	1.3	SW	0.9	WSW	0.9	W	0.9	WNW	0.4	W	0.4	W	0.4	W
16:00-17:00	2.2	SW	1.3	W	0.9	W	1.3	WNW	0.4	WNW	0.4	W	0.4	W
17:00-18:00	2.7	SSW	0.4	W	0.4	SW	0.9	WNW	0.4	WNW	0.4	W	0.4	W
18:00-19:00	0.4	SSW	0.4	W	0.4	W	0.4	W	0.4	WNW	0.9	WSW	0.9	W
19:00-20:00	0.4	SSW	0.4	WSW	1.3	W	0.4	W	0.0	-	0.4	SSW	0.4	SE
20:00-21:00	0.4	SSW	2.7	WSW	1.3	WSW	0.0	-	0.0	-	0.4	SSW	0.4	SE
21:00-22:00	0.0	-	3.1	WSW	0.9	W	0.0	-	0.0	-	0.4	SW	0.4	S
22:00-23:00	0.0	-	0.4	WSW	0.4	W	0.0	-	0.0	-	0.9	SW	0.4	S
23:00-00:00	0.0	-	0.4	WSW	0.0	-	0.0	-	0.0	-	1.3	SW	0.0	-
00:00-01:00	0.0	-	0.4	WSW	0.0	-	0.0	-	0.0	-	0.4	SW	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	SW	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-	0.0	-	0.4	W	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	0.4	WSW	0.4	S	0.4	W	0.0	-	0.4	W	0.4	NW	0.4	S
09:00-10:00	0.4	WSW	0.4	S	0.9	W	0.4	WSW	0.9	W	0.4	W	0.9	S

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R065

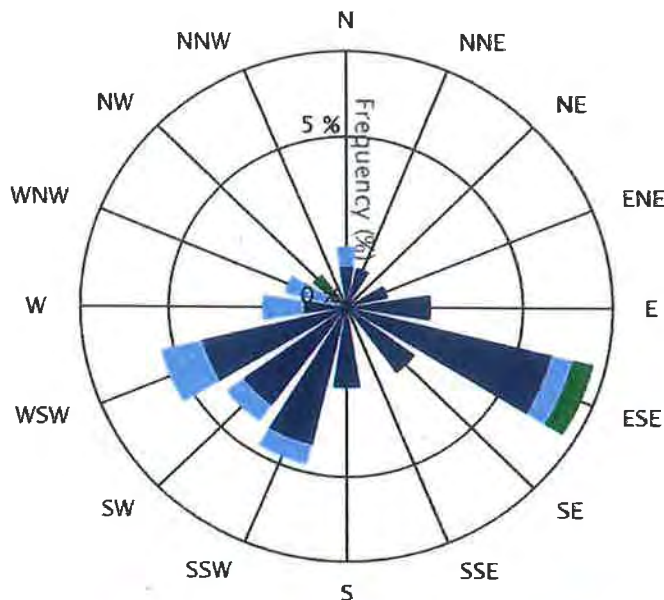
บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 1212

จุดตรวจวัด : วัดราษฎร์ศุภคาราม (A2)

วันที่ตรวจวัด : 4-11 มิถุนายน 2565

Calm 61.9 %



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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	1.2	0.6	0.0	0.0	0.0	0.0	1.8
NNE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
E	2.4	0.0	0.0	0.0	0.0	0.0	2.4
ESE	6.0	0.6	0.6	0.0	0.0	0.0	7.2
SE	2.4	0.0	0.0	0.0	0.0	0.0	2.4
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	2.4	0.0	0.0	0.0	0.0	0.0	2.4
SSW	4.2	0.6	0.0	0.0	0.0	0.0	4.8
SW	3.6	0.6	0.0	0.0	0.0	0.0	4.2
WSW	4.2	1.2	0.0	0.0	0.0	0.0	5.4
W	1.2	1.2	0.0	0.0	0.0	0.0	2.4
WNW	0.0	1.8	0.0	0.0	0.0	0.0	1.8
NW	0.6	0.0	0.6	0.0	0.0	0.0	1.2
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	61.9						

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R0657

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 12122

จุดตรวจวัด : วัดราษฎร์อัสตาราม (A2)

วันที่ตรวจวัด : 4-11 มิถุนายน 2565

เวลา	4-5 มิถุนายน 2565		5-6 มิถุนายน 2565		6-7 มิถุนายน 2565		7-8 มิถุนายน 2565		8-9 มิถุนายน 2565		9-10 มิถุนายน 2565		10-11 มิถุนายน 2565	
	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
11:00-12:00	1.5	ESE	0.0	-	1.2	E	2.5	WSW	3.2	WNW	2.3	W	0.8	SW
12:00-13:00	1.8	ESE	0.4	ESE	1.5	E	1.1	WSW	1.9	WSW	1.3	SSW	2.5	WNW
13:00-14:00	0.5	ESE	3.4	ESE	0.6	ESE	2.9	W	0.0	-	3.3	WNW	1.3	SW
14:00-15:00	0.6	ESE	1.3	ESE	1.9	NNE	0.8	WSW	1.6	WSW	1.3	SSW	0.0	-
15:00-16:00	0.6	E	0.5	SE	0.0	-	0.4	SSW	0.0	-	0.9	SSW	2.0	SW
16:00-17:00	0.0	-	0.0	-	0.0	-	1.2	W	0.5	SW	0.5	SSW	2.5	SSW
17:00-18:00	0.9	ESE	0.0	-	0.9	N	0.0	-	0.8	SW	0.0	-	0.6	S
18:00-19:00	0.0	-	0.9	ESE	1.1	E	0.0	-	0.0	-	0.4	S	0.0	-
19:00-20:00	1.5	NNE	4.0	ESE	0.0	-	0.0	-	0.0	-	0.8	S	0.0	-
20:00-21:00	0.0	-	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	-	0.8	SSW	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	1.5	ENE	0.0	-	0.9	SSW	1.2	WSW	0.0	-
08:00-09:00	1.1	SE	0.6	SE	1.3	N	1.2	W	0.0	-	0.8	SW	0.0	-
09:00-10:00	1.1	SE	1.9	ENE	1.8	SW	0.0	-	0.9	WSW	4.0	NW	0.0	-
10:00-11:00	0.4	ESE	0.0	-	2.0	N	2.5	WSW	1.5	WSW	1.6	NW	0.6	S

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R065

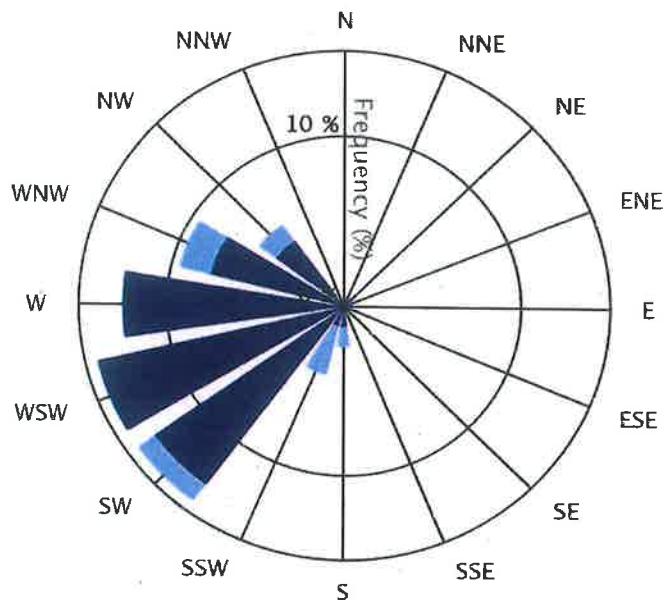
บริษัท อมตะซีที ระยอง จำกัด

Sample No. 1212

จุดตรวจวัด : โรงเรียนบ้านภูไทร (A3)

วันที่ตรวจวัด : 4-11 มิถุนายน 2565

Calm 35.1 %



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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
NE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
ENE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.2	1.2	0.0	0.0	0.0	0.0	2.4
SSW	1.2	3.0	0.0	0.0	0.0	0.0	4.2
SW	13.1	1.2	0.0	0.0	0.0	0.0	14.3
WSW	14.3	0.0	0.0	0.0	0.0	0.0	14.3
W	12.5	0.0	0.0	0.0	0.0	0.0	12.5
WNW	7.7	1.8	0.0	0.0	0.0	0.0	9.5
NW	4.8	1.2	0.0	0.0	0.0	0.0	6.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	35.1						

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R0657

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 12120

จุดตรวจวัด : โรงเรียนบ้านญี่ปุ่น (A3)

วันที่ตรวจวัด : 4-11 มิถุนายน 2565

เวลา	4-5 มิถุนายน 2565		5-6 มิถุนายน 2565		6-7 มิถุนายน 2565		7-8 มิถุนายน 2565		8-9 มิถุนายน 2565		9-10 มิถุนายน 2565		10-11 มิถุนายน 2565	
	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
11:00-12:00	0.9	S	1.3	SW	1.3	W	1.3	W	1.3	W	0.9	W	1.3	W
12:00-13:00	2.7	SSW	1.8	SW	1.8	WNW	1.3	W	1.8	WNW	1.3	WSW	0.9	W
13:00-14:00	2.7	SSW	1.3	WNW	1.3	WNW	1.3	W	2.7	NW	1.8	WSW	1.8	W
14:00-15:00	2.2	SW	1.3	W	2.2	WNW	1.8	W	2.7	NW	1.8	WSW	1.3	W
15:00-16:00	2.7	SW	1.3	WSW	1.8	WNW	1.3	WNW	1.8	WNW	1.3	WNW	0.9	WSW
16:00-17:00	2.7	SSW	1.3	W	2.2	WNW	1.3	W	1.3	NW	1.3	WSW	0.9	WSW
17:00-18:00	2.7	SSW	0.9	WSW	1.3	WNW	0.9	W	1.8	NW	0.9	WNW	0.9	WSW
18:00-19:00	3.1	S	1.3	WSW	0.9	W	0.9	W	1.3	NW	1.3	WSW	2.2	SSW
19:00-20:00	2.7	S	0.4	WSW	0.9	SW	0.4	SW	0.9	NW	1.8	SW	1.8	SSW
20:00-21:00	1.8	S	0.9	SW	1.3	SW	0.4	SW	0.4	W	1.3	SW	1.8	SW
21:00-22:00	0.4	SW	1.3	SW	0.9	W	0.4	WSW	0.0	-	0.4	SW	0.4	SW
22:00-23:00	0.0	-	2.2	WNW	0.9	SW	0.0	-	0.4	WSW	0.4	WSW	0.4	SSW
23:00-00:00	0.0	-	0.4	WNW	0.9	SW	0.0	-	0.0	-	0.4	WSW	0.0	-
00:00-01:00	0.0	-	0.9	WNW	0.4	NE	0.0	-	0.0	-	0.4	WSW	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW	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	-	0.4	NW	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	ENE
05:00-06:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NNE
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	0.4	SW	0.0	-	0.0	-	0.0	-	0.4	SW	0.4	WSW	0.4	SW
09:00-10:00	0.9	SW	0.9	SW	0.4	W	0.4	NW	1.3	WSW	0.9	NW	0.9	NW
10:00-11:00	1.3	SW	1.3	WSW	0.9	WSW	0.9	WNW	1.8	WSW	1.3	WSW	0.9	W

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Test Report

Request No : W6412336

Report No : 6412-1533

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 64121368

Sample Name : Equalization Tank

Sampling Date : 13/12/2021

Sampling By : ETC

Sampling Time : 10:55 AM

Sampling Method : Grab

Received Date : 14/12/2021

Tested Date : 14/12/2021 - 22/12/2021

Reported Date : 24/12/2021

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	67.2	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	192	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	4.9	≤10
pH (on site) *		Electrometric	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	780	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	28	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	74	≤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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (ว-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

24/12/2021



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

24/12/2021

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Test Report

Request No : W6412336

Report No : 6412-1533

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 : 14/12/2021 - 22/12/2021

Sample No : W 64121368
Sampling Date : 13/12/2021
Sampling Time : 10:55 AM
Received Date : 14/12/2021
Reported Date : 24/12/2021

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric	196	

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

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

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Page 1 of 1

Examined By :

(Miss Apiradee Chuen-arom)

24/12/2021

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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 : 21/12/2021 - 28/12/2021

Sample No : W 64121847

Sampling Date : 20/12/2021

Sampling Time : 9:20 AM

Received Date : 21/12/2021

Reported Date : 05/01/2022

Request No : W6412499

Report No : 6501-0346

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	34.4	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	130	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤10
pH (on site) *		Electrometric	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	960	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	21	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	47	≤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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ท-5637)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

05/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

05/01/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6412499

Report No : 6501-0346

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 64121847

Sample Name : Equalization Tank

Sampling Date : 20/12/2021

Sampling By : ETC

Sampling Time : 9:20 AM

Sampling Method : Grab

Received Date : 21/12/2021

Tested Date : 21/12/2021 - 28/12/2021

Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric	269	-

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

3. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

05/01/2022

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TEST REPORT

Request No. : W6501037, W6501469

Report No. : 6502-0206-1, 6502-0208

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 : 06/01/2022 – 20/01/2022

Sample No. : W 65010174, W 65011768
Sampling Date : 05/01/2022, 24/01/2022
Sampling Time : 9:45 AM, 10:35 AM
Received Date : 06/01/2022, 25/01/2022
Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ¹⁾
Arsenic*	mg/l	Continuous, Hydride Generation / Atomic Absorption Spectrometric	< 0.0020	≤ 0.25
Barium*	mg/l	Digestion, Inductively Coupled Plasma	0.09	≤ 1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	45.4	≤ 500
Cadmium*	mg/l	Digestion, Inductively Coupled Plasma	< 0.03	≤ 0.03
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	200	≤ 750
Color (Original)*	ADMI	ADMI Weighted Ordinate Method	26	≤ 600
Color (pH 7.0)*	ADMI	ADMI Weighted Ordinate Method	28	≤ 600
Copper*	mg/l	Digestion, Direct Air-Acetylene Flame	0.22	≤ 2
Cyanide*	mg/l as HCN	Distillation, Colorimetric Method	< 0.020	≤ 0.2

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. W 65011768 : Sampling Date 24/01/2022 (10:35 AM) : Tested Date 25/01/2022 – 29/01/2022
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332) *
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By 
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)
04/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Mr. Kawee Suthasub)

(จ-003-ค-2205)
04/02/2022

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TEST REPORT

Request No. : W6501037, W6501469

Report No. : 6502-0206-1, 6502-0208


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 : 06/01/2022 – 20/01/2022

Sample No. : W 65010174, W 65011768
Sampling Date : 05/01/2022, 24/01/2022
Sampling Time : 9:45 AM, 10:35 AM
Received Date : 06/01/2022, 25/01/2022
Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Formaldehyde*	mg/l	Distillation,Colorimetric	< 0.50	≤1
Hexavalent Chromium*	mg/l as Cr ⁶⁺	Colorimetric Method	< 0.050	≤0.25
Lead*	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤0.2
Manganese *	mg/l	Digestion,Inductively Coupled Plasma	0.09	≤5
Mercury*	mg/l	Cold-Vapor Atomic Absorption Spectrometric	< 0.0010	≤0.005
Nickel *	mg/l	Digestion,Direct Air-Acetylene Flame	0.12	≤1
Oil and Grease @ ^{2/}	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤10
pH (on site) *		Electrometric	7.6	5.5-9.0
Phenol*	mg/l	Distillation,Direct Photometric	0.143	≤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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)
2. /2 Sample No. W 65011768 : Sampling Date 24/01/2022 (10:35 AM) : Tested Date 25/01/2022 – 29/01/2022
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332) *
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
04/02/2022

SUPPLEMENT TO TEST REPORT NO. 6502-0206

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
04/02/2022

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TEST REPORT

Request No. : W6501037, W6501469

Report No. : 6502-0206-1, 6502-0208


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 : 06/01/2022 – 20/01/2022

Sample No. : W 65010174, W 65011768
Sampling Date : 05/01/2022, 24/01/2022
Sampling Time : 9:45 AM, 10:35 AM
Received Date : 06/01/2022, 25/01/2022
Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ¹⁾
Selenium*	mg/l	Continuous Hydride Generation/Atomic Absorption Spectrometric	< 0.0050	≤0.02
Sulfide*	mg/l as H ₂ S	ZnS Precipitation, Iodometric	0.66	≤1
Temperature *	°C	Laboratory and Field	30	≤45
Total Dissolved Solids#	mg/l	Dried at 180 °C : APHA 2017 (2540C)	616	≤3000
Total Kjeldahl Nitrogen*	mg/l as NH ₃ -N	Macro-Kjeldahl	28	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 °C : APHA 2017 (2540 D)	86	≤200
Trivalent Chromium*	mg/l as Cr ³⁺	Digestion, Direct Air-Acetylene Flame Method; Filtration, Colorimetric Method; Calculation	0.24	≤0.75
Zinc*	mg/l	Digestion, Inductively Coupled Plasma	0.83	≤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. W 65011768 : Sampling Date 24/01/2022 (10:35 AM) : Tested Date 25/01/2022 – 29/01/2022
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansiramongkhon (ว-003-จ-8332) *
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)


Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)

04/02/2022

SUPPLEMENT TO TEST REPORT NO. 6502-0206



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)

04/02/2022

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Test Report

Request No : W6501037

Report No : 6502- 0206

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65010174

Sample Name : Equalization Tank

Sampling Date : 05/01/2022

Sampling By : ETC

Sampling Time : 9:45 AM

Sampling Method : Grab

Received Date : 06/01/2022

Tested Date : 06/01/2022 - 20/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/l as Cl ₂	Argentometric	169	-
Chlorine (Residual)	mg/l as Cl ₂	DPD Colorimetric	not available	≤1
Fluoride	mg/l	Ion-Selective Electrode Method	0.55	≤5
Iron	mg/l	Digestion, Direct Air-Acetylene Flame	1.10	≤10
Silver	mg/l	Digestion, Inductively Coupled Plasma	< 0.05	≤1
Surfactants	mg/l as MBAS	Anionic Surfactants as MBAS	< 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. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Aocha Khwansirimongkhon (๖-003-๖-8332)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

04/02/2022

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Request No. W6501037

Report No. 6502-0206

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 : 06/01/2022 – 20/01/2022

Sample No. : W 65010174

Sampling Date : 05/01/2022

Sampling Time : 9:45 AM

Received Date : 06/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ¹
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 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

3. Sampling By Mr. Aocha Khwansirimongkhon (ว-003-จ-8332)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)


Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

04/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)

(ว-003-ค-2205)

04/02/2022

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Test Report

Request No : W6501173

Report No : 6501-1250

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65010747

Sample Name : Equalization Tank

Sampling Date : 10/01/2022

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 11/01/2022

Tested Date : 11/01/2022 - 17/01/2022

Reported Date : 19/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	49.7	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	162	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	5.6	≤10
pH (on site) *		Electrometric	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	640	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	27	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (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. /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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

19/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

19/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6501173

Report No : 6501-1250

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65010747

Sample Name : Equalization Tank

Sampling Date : 10/01/2022

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 11/01/2022

Tested Date : 11/01/2022 - 17/01/2022

Reported Date : 19/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric	159	

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

3. Sampling By Mr. Supharerk Phatklang (๖-๐๐3-๖-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

19/01/2022

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Test Report

Request No : W6501346

Report No : 6501-2108

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 : 18/01/2022 - 26/01/2022

Sample No : W 65011435
Sampling Date : 17/01/2022
Sampling Time : 11:15 AM
Received Date : 18/01/2022
Reported Date : 31/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	39.3	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	200	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	5.2	≤10
pH (on site) *		Electrometric	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	822	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	32	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	84	≤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,

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


3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
31/01/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
31/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6501346

Report No : 6501-2108

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65011435

Sample Name : Equalization Tank

Sampling Date : 17/01/2022

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 18/01/2022

Tested Date : 18/01/2022 - 26/01/2022

Reported Date : 31/01/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric	231	-

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

3. Sampling By Mr. Supharerk Phatklang (๖-๐๐3-๖-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

31/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6501468

Report No : 6502-0211

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 : 25/01/2022 - 31/01/2022

Sample No : W 65011766
Sampling Date : 24/01/2022
Sampling Time : 10:35 AM
Received Date : 25/01/2022
Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	44.8	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	188	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤10
pH (on site) *		Electrometric	6.8	5.5-9.0
Temperature *	°C	Laboratory and Field	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	756	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	30	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	110	≤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,

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

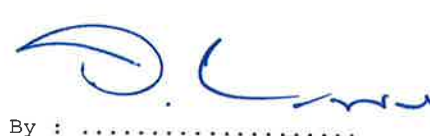
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ท-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
04/02/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ท-2205)
04/02/2022

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Test Report

Request No : W6501468

Report No : 6502-0211

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65011766

Sample Name : Equalization Tank

Sampling Date : 24/01/2022

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 25/01/2022

Tested Date : 25/01/2022 - 31/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric	173	

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

3. Sampling By Mr. Songpon Phiwuan (3-003-ก-7279)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

04/02/2022

Test Report

Request No : W6502202

Report No : 6502-1444

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65020765

Sample Name : Equalization Tank*

Sampling Date : 07/02/2022*

Sampling By : ETC*

Sampling Time : 9:40 AM*

Sampling Method : Grab*

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 18/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard/ ¹
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)	92	≤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	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	806	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	22	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	44	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
22/02/2022



Approved By :

(Mr. Kawee Suthasub)
(ว-003-ค-2205)
22/02/2022

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Test Report

Request No : W6502202

Report No : 6502-1444

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65020765

Sample Name : Equalization Tank

Sampling Date : 07/02/2022

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 18/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	248	-

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 (ว-003-ก-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

22/02/2022

Test Report

Request No : W6502342

Report No : 6503-0205

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65021348

Sample Name : Equalization Tank*

Sampling Date : 14/02/2022*

Sampling By : ETC*

Sampling Time : 9:15 AM*

Sampling Method : Grab*

Received Date : 15/02/2022

Tested Date : 15/02/2022 - 26/02/2022

Reported Date : 02/03/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	50.7	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	181	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.1	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	800	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	83	≤200

Physical Apperance : 1. Sample : gray, 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

02/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

02/03/2022

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Test Report

Request No : W6502342

Report No : 6503-0205

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65021348

Sample Name : Equalization Tank

Sampling Date : 14/02/2022

Sampling By : ETC

Sampling Time : 9:15 AM

Sampling Method : Grab

Received Date : 15/02/2022

Tested Date : 15/02/2022 - 26/02/2022

Reported Date : 02/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	244	-

Physical Apperance : 1. Sample : gray, lightly SS

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

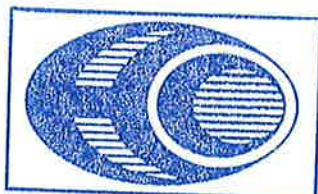
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 (1-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

02/03/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6502484

Report No : 6503-0416

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65021730

Sample Name : Equalization Tank*

Sampling Date : 21/02/2022*

Sampling By : ETC*

Sampling Time : 8:55 AM*

Sampling Method : Grab*

Received Date : 22/02/2022

Tested Date : 22/02/2022 - 01/03/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	38.0	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	156	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	980	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	21	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	49	≤200

Physical Apperance : 1. Sample : slightly - gray, 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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
05/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
05/03/2022

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Test Report

Request No : W6502484

Report No : 6503-0416

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65021730

Sample Name : Equalization Tank

Sampling Date : 21/02/2022

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 22/02/2022

Tested Date : 22/02/2022 - 01/03/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	205	-

Physical Apperance : 1. Sample : slightly - gray, 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 (๓-๐๐3-๖-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/03/2022

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Test Report

Request No : W6503006

Report No : 6503-0921

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65030021

Sample Name : Equalization Tank*

Sampling Date : 28/02/2022*

Sampling By : ETC*

Sampling Time : 9:52 AM*

Sampling Method : Grab*

Received Date : 01/03/2022

Tested Date : 01/03/2022 - 09/03/2022

Reported Date : 11/03/2022

Parameter	Unit	Method	Result	Standard ^{1/}
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)	146	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,100	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	25	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	42	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

11/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

11/03/2022

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Test Report

Request No : W6503006

Report No : 6503-0921

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65030021

Sample Name : Equalization Tank

Sampling Date : 28/02/2022

Sampling By : ETC

Sampling Time : 9:52 AM

Sampling Method : Grab

Received Date : 01/03/2022

Tested Date : 01/03/2022 - 09/03/2022

Reported Date : 11/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	301	-

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 (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลตัง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

11/03/2022

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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 : 08/03/2022 - 19/03/2022

Sample No : W 65030866

Sampling Date : 07/03/2022*

Sampling Time : 8:55 AM*

Received Date : 08/03/2022

Reported Date : 23/03/2022

Request No : W6503208

Report No : 6503 - 1676

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	32.8	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	137	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.3	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	832	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	19	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	93	≤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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By : 
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)
23/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
23/03/2022

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Test Report

Request No : W6503208

Report No : 6503-1676

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 : 08/03/2022 - 19/03/2022

Sample No : W 65030866
Sampling Date : 07/03/2022
Sampling Time : 8:55 AM
Received Date : 08/03/2022
Reported Date : 23/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	208	-

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-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :


(Miss Apiradee Chuen-arom)
23/03/2022

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Test Report

Request No : W6503374

Report No : 6503-2129

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 : 15/03/2022 - 25/03/2022
Sample No : W 65031507
Sampling Date : 14/03/2022*
Sampling Time : 9:00 AM*
Received Date : 15/03/2022
Reported Date : 31/03/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	24.4	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	102	≤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	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	984	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	29	≤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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
31/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
31/03/2022

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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 : 15/03/2022 - 25/03/2022

Request No : W6503374

Report No : 6503-2129

Sample No : W 65031507

Sampling Date : 14/03/2022

Sampling Time : 9:00 AM

Received Date : 15/03/2022

Reported Date : 31/03/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	293	-

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

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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(Miss Apiradee Chuen-arom)

31/03/2022

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Test Report

Request No : W6503508

Report No : 6504-0099

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65031985

Sample Name : Equalization Tank*

Sampling Date : 21/03/2022*

Sampling By : ETC*

Sampling Time : 11:55 AM*

Sampling Method : Grab*

Received Date : 22/03/2022

Tested Date : 22/03/2022 - 31/03/2022

Reported Date : 04/04/2022

Parameter	Unit	Method	Result	Standard ^{1/}
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)	140	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.1	≤10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	844	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	16	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	51	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
04/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
04/04/2022

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Test Report

Request No : W6503508

Report No : 6504-0099

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65031985

Sample Name : Equalization Tank

Sampling Date : 21/03/2022

Sampling By : ETC

Sampling Time : 11:55 AM

Sampling Method : Grab

Received Date : 22/03/2022

Tested Date : 22/03/2022 - 31/03/2022

Reported Date : 04/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	239	-

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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/04/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6503613

Report No : 6504-0379

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65032332

Sample Name : Equalization Tank*

Sampling Date : 28/03/2022*

Sampling By : ETC*

Sampling Time : 11:50 AM*

Sampling Method : Grab*

Received Date : 29/03/2022

Tested Date : 29/03/2022 - 05/04/2022

Reported Date : 07/04/2022

Parameter	Unit	Method	Result	Standard ^{1/}
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)	124	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.8	≤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 C (SM:2540C)	820	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	47	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
07/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
07/04/2022

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 : W6503613

Report No : 6504-0379

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65032332

Sample Name : Equalization Tank

Sampling Date : 28/03/2022

Sampling By : ETC

Sampling Time : 11:50 AM

Sampling Method : Grab

Received Date : 29/03/2022

Tested Date : 29/03/2022 - 05/04/2022

Reported Date : 07/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	221	-

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 (ว-003-ท-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

07/04/2022

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 1 ##
Sample Name : Equalization Tank**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 05/04/2022 - 20/04/2022

Request No : W6504095

Report No : 6504-1637

Sample No : W 65040462
Sampling Date : 04/04/2022**
Sampling Time : 9:40 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0024	≤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)	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)	102	≤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 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 Apradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (Amata City Rayong)

Examined By :

(Miss Apradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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Test Report

Request No : W6504095

Report No : 6504-1637

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65040462

Sample Name : Equalization Tank**

Sampling Date : 04/04/2022**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 05/04/2022

Tested Date : 05/04/2022 - 20/04/2022

Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	28	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	27	≤600
Copper @	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.10	≤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 ⁶⁺	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 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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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 : 05/04/2022 - 20/04/2022

Sample No : W 65040462

Sampling Date : 04/04/2022**

Sampling Time : 9:40 AM**

Received Date : 05/04/2022

Reported Date : 26/04/2022

Request No : W6504095

Report No : 6504-1637

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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 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. @ = 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-7280)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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Test Report

Request No : W6504095

Report No : 6504-1637

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65040462

Sample Name : Equalization Tank**

Sampling Date : 04/04/2022**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 05/04/2022

Tested Date : 05/04/2022 - 20/04/2022

Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
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)	< 0.0050	≤ 0.02
Sulfide *	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	28	≤ 45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	820	≤ 3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤ 100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	26	≤ 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 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

26/04/2022

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Test Report

Request No : W6504095

Report No : 6504-1637


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 : 05/04/2022 - 20/04/2022

Sample No : W 65040462
Sampling Date : 04/04/2022**
Sampling Time : 9:40 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard/ ¹
Trivalent Chromium *	mg/l as Cr ³⁺	Digestion,Direct AAS Method; Filtration,Colorimetric Method;Calculation (SM:3500 -Cr B, 3111B)	< 0.10	≤0.75
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.67	≤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. /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 / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
26/04/2022

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 : 05/04/2022 - 20/04/2022

Request No : W6504095
Report No : 6504 -1637

Sample No : W 65040462
Sampling Date : 04/04/2022**
Sampling Time : 9:40 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	236	-
Chlorine (Residual) *	mg/l as Cl ₂	DPD Colorimetric Method (SM:4500 -Cl G)	< 0.1	≤ 1
Fluoride *	mg/l	Ion-Selective Electrode Method (SM:4500 -F- C)	0.80	≤ 5
Iron @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.55	≤ 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. /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. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)*
5. Parameter Outside The Scope of The Registration of Department of Industrial Works
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)**



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)
26/04/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6504095

Report No. 6504-1637

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 : 05/04/2022 – 20/04/2022
Sample No. : W 65040462
Sampling Date : 04/04/2022
Sampling Time : 9:40 AM
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ^{1/}
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. Parkpoom Buasawad (ว-003-ค-7280)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)


Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)

(ว-003-ค-2205)

26/04/2022

REPORTED TESTS 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 1 ##
Sample Name : Equalization Tank**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 12/04/2022 - 23/04/2022

Request No : W6504290
Report No : 6504-1942
Sample No : W 65041082
Sampling Date : 11/04/2022**
Sampling Time : 9:20 AM**
Received Date : 12/04/2022
Reported Date : 28/04/2022


Parameter	Unit	Method	Result	Standard ¹
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)	79	≤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	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,076	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (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 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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 1 (AS PL...)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
28/04/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
28/04/2022

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Test Report

Request No : W6504290

Report No : 6504-1942

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65041082

Sample Name : Equalization Tank

Sampling Date : 11/04/2022

Sampling By : ETC

Sampling Time : 9:20 AM

Sampling Method : Grab

Received Date : 12/04/2022

Tested Date : 12/04/2022 - 23/04/2022

Reported Date : 28/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	351	-

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 (ว-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/04/2022

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Test Report

Request No : W6504349

Report No : 6504-1990

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65041247

Sample Name : Equalization Tank **

Sampling Date : 18/04/2022**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 19/04/2022

Tested Date : 19/04/2022 - 26/04/2022

Reported Date : 28/04/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	92	≤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 C (SM:2540C)	864	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	19	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	43	≤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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (19/04/2022)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

28/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

28/04/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6504349

Report No : 6504-1990

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65041247

Sample Name : Equalization Tank

Sampling Date : 18/04/2022

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 19/04/2022

Tested Date : 19/04/2022 - 26/04/2022

Reported Date : 28/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	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. Supharerk Phatklang (ว-003-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

28/04/2022

COPY

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 : 26/04/2022 - 03/05/2022

Request No : W6504507
Report No : 6505-0217
Sample No : W 65041828
Sampling Date : 25/04/2022**
Sampling Time : 11:05 AM**
Received Date : 26/04/2022
Reported Date : 05/05/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	37.4	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	149	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.6	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,100	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	22	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	62	≤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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 1 (AS)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
05/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
05/05/2022

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 : 26/04/2022 - 03/05/2022

Request No : W6504507

Report No : 6505 -0217

Sample No : W 65041828
Sampling Date : 25/04/2022
Sampling Time : 11:05 AM
Received Date : 26/04/2022
Reported Date : 05/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	261	-

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 (จ-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)
05/05/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6505076

Report No : 6505-1197

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65050341

Sample Name : Equalization Tank

Sampling Date : 04/05/2022

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 05/05/2022

Tested Date : 05/05/2022 - 13/05/2022

Reported Date : 18/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	256	-

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 (๓-๐๐3-๖-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
18/05/2022

Test Report

Request No : W6505208

Report No : 6505-1630

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65050793

Sample Name : Equalization Tank**

Sampling Date : 09/05/2022**

Sampling By : ETC**

Sampling Time : 11:55 AM**

Sampling Method : Grab**

Received Date : 10/05/2022

Tested Date : 10/05/2022 - 19/05/2022

Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	111	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	262	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.1	≤10
pH (on site) *		Electrometric Method	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	490	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	28	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (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. /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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (As. Lab. No. 1)

Examined By

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
21/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
21/05/2022

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Test Report

Request No : W6505208

Report No : 6505-1630

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65050793

Sample Name : Equalization Tank

Sampling Date : 09/05/2022

Sampling By : ETC

Sampling Time : 11:55 AM

Sampling Method : Grab

Received Date : 10/05/2022

Tested Date : 10/05/2022 - 19/05/2022

Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	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. Songpon Phiwuan (จ-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

21/05/2022

Test Report

Request No : W 6505344

Report No : 6506-0062

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 : 17/05/2022 - 30/05/2022

Sample No : W 65051385
Sampling Date : 16/05/2022**
Sampling Time : 9:35 AM**
Received Date : 17/05/2022
Reported Date : 02/06/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	160	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	397	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.3	≤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 C (SM:2540C)	1,040	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	24	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	81	≤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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (อ-003-ค-7279)

Examined By

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
02/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
02/06/2022

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Test Report

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ ##

Sample Name : Equalization Tank

Sampling By : ETC

Sampling Method : Grab

Tested Date : 17/05/2022 - 30/05/2022

Request No : W6505344

Report No : 6506-0062

Sample No : W 65051385

Sampling Date : 16/05/2022

Sampling Time : 9:35 AM

Received Date : 17/05/2022

Reported Date : 02/06/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	252	-

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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)
02/06/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6505485

Report No : 6506-0084

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65051883

Sample Name : Equalization Tank**

Sampling Date : 23/05/2022**

Sampling By : ETC**

Sampling Time : 11:12 AM**

Sampling Method : Grab**

Received Date : 24/05/2022

Tested Date : 24/05/2022 - 30/05/2022

Reported Date : 04/06/2022

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	50.1	≤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	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	990	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (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. /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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (Asy Plap)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

04/06/2022

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**Test Report**

Request No : W6505485

Report No : 6506-0084

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65051883

Sample Name : Equalization Tank

Sampling Date : 23/05/2022

Sampling By : ETC

Sampling Time : 11:12 AM

Sampling Method : Grab

Received Date : 24/05/2022

Tested Date : 24/05/2022 - 30/05/2022

Reported Date : 04/06/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	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. /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 Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/06/2022

Test Report

Request No : W6506144

Report No : 6506-1767

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65060574

Sample Name : Equalization Tank**

Sampling Date : 06/06/2022**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 07/06/2022

Tested Date : 07/06/2022 - 14/06/2022

Reported Date : 23/06/2022

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	124	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	884	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	16	≤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 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 / Mrs. Wanpen Lhaochindawat 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS-Equalizer)**

Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
23/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mrs. Wanpen Lhaochindawat)
(จ-003-ก-2183)
23/06/2022

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Test Report

Request No : W6506144

Report No : 6506-1767

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65060574

Sample Name : Equalization Tank

Sampling Date : 06/06/2022

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 07/06/2022

Tested Date : 07/06/2022 - 14/06/2022

Reported Date : 23/06/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	234	

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 Janthanee Saiphan (๖-003-ค-7281)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

23/06/2022

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Test Report

Request No : W6506344

Report No : 6506-2238

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65061345

Sample Name : Equalization Tank**

Sampling Date : 13/06/2022**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 14/06/2022

Tested Date : 14/06/2022 - 30/06/2022

Reported Date : 02/07/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.4	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	108	≤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 C (SM:2540C)	876	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	23	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	28	≤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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 1 (AS Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
02/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
02/07/2022

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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 : 14/06/2022 - 30/06/2022

Request No : W6506344

Report No : 6506- 2238

Sample No : W 65061345

Sampling Date : 13/06/2022

Sampling Time : 9:40 AM

Received Date : 14/06/2022

Reported Date : 02/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	277	-

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

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

4. Sampling By Mr. Supharek Phatklang (1-003-จ-5637)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/07/2022

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EASTERN THAI CONSULTING 1992 CO., LTD.

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

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



NSC-TISI-TIS 17025
TESTING 0031



TESTING
No.0159

Test Report

Request No : W6412337

Report No : 6501-0326

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 64121370

Sample Name : Influent

Sampling Date : 13/12/2021

Sampling By : ETC

Sampling Time : 11:40 AM

Sampling Method : Grab

Received Date : 14/12/2021

Tested Date : 14/12/2021 - 22/12/2021

Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	29.3	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	142	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	4.1	≤10
pH (on site) *		Electrometric	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field	27	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	855	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	9	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	18	≤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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ก-7279)*

5. #ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

05/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

05/01/2022

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Test Report

Request No : W6412337

Report No : 6501-0326

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 64121370

Sample Name : Influent

Sampling Date : 13/12/2021

Sampling By : ETC

Sampling Time : 11:40 AM

Sampling Method : Grab

Received Date : 14/12/2021

Tested Date : 14/12/2021 - 22/12/2021

Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric	179	-

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

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

4. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/01/2022



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



Test Report

Request No : W6412500

Report No : 6501-0344

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 : 21/12/2021 - 28/12/2021

Sample No : W 64121849
Sampling Date : 20/12/2021
Sampling Time : 9:05 AM
Received Date : 21/12/2021
Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	29.4	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	136	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	3.9	≤10
pH (on site) *		Electrometric	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	665	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	10	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	36	≤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. /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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-0-5637)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-0-4377)

05/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-0-2205)

05/01/2022

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Test Report

Request No : W6412500

Report No : 6501-0344

Customer : Amata City Rayong Co., Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 64121849

Sample Name : Influent

Sampling Date : 20/12/2021

Sampling By : ETC

Sampling Time : 9:05 AM

Sampling Method : Grab

Received Date : 21/12/2021

Tested Date : 21/12/2021 - 28/12/2021

Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric	107	-

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

3. Sampling By Mr. Supharerk Phatklang (7-003-0-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

05/01/2022

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 : 06/01/2022 - 20/01/2022

Request No : W6501038
Report No : 6501-1532
Sample No : W 65010176
Sampling Date : 05/01/2022
Sampling Time : 11:20 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022


Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/l	Continuous Hydride Generation/Atomic Absorption Spectrometric	< 0.0020	≤0.25
Barium *	mg/l	Digestion,Inductively Coupled Plasma	0.08	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	50.3	≤500
Cadmium *	mg/l	Digestion,Inductively Coupled Plasma	< 0.03	≤0.03
Chemical Oxygen Demand *	mg/l	Closed Reflux,Titrimetric	169	≤750
Color(Original) *	ADMI	ADMI Weighted Ordinate Method	27	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Method	22	≤600

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L* [7 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,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ก-8332)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
22/01/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
22/01/2022

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Test Report

Request No : W6501038

Report No : 6501-1532

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 : 06/01/2022 - 20/01/2022

Sample No : W 65010176
Sampling Date : 05/01/2022
Sampling Time : 11:20 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard ¹
Copper *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤2
Cyanide *	mg/l as HCN	Distillation,Colorimetric Method	< 0.020	≤0.2
Formaldehyde *	mg/l	Distillation,Colorimetric	< 0.50	≤1
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Colorimetric Method	< 0.050	≤0.25
Lead *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤0.2
Manganese *	mg/l	Digestion,Inductively Coupled Plasma	< 0.03	≤5
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric	< 0.0010	≤0.005
Nickel *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤1
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤10

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L* [7 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,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/01/2022

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Test Report

Request No : W6501038

Report No : 6501-1532

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 : 06/01/2022 - 20/01/2022

Sample No : W 65010176
Sampling Date : 05/01/2022
Sampling Time : 11:20 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric	7.1	5.5-9.0
Phenol *	mg/l	Distillation, Direct Photometric	0.123	≤1
Selenium *	mg/l	Continuous Hydride Generation/Atomic Absorption Spectrometric	< 0.0050	≤0.02
Sulfide *	mg/l as H ₂ S	ZnS Precipitation, Iodometric	< 0.53	≤1
Temperature *	°C	Laboratory and Field	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	840	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	13	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	26	≤200

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

2. Container : Normal [PE 0.5 L* [7 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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/01/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6501038

Report No : 6501-1532

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65010176

Sample Name : Influent

Sampling Date : 05/01/2022

Sampling By : ETC

Sampling Time : 11:20 AM

Sampling Method : Grab

Received Date : 06/01/2022

Tested Date : 06/01/2022 - 20/01/2022

Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Trivalent Chromium *	mg/l as Cr ³⁺	Digestion,Direct Air-Acetylene Flame Method; Filtration,Colorimetric Method;Calculation	< 0.10	≤0.75
Zinc *	mg/l	Digestion,Inductively Coupled Plasma	1.76	≤5

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

2. Container : Normal [PE 0.5 L* [7 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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/01/2022

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Test Report

Request No : W6501038

Report No : 6501-1532

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65010176

Sample Name : Influent

Sampling Date : 05/01/2022

Sampling By : ETC

Sampling Time : 11:20 AM

Sampling Method : Grab

Received Date : 06/01/2022

Tested Date : 06/01/2022 - 20/01/2022

Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric	111	-
Chlorine (Residual)	mg/l as Cl ₂	DPD Colorimetric	not available	≤1
Fluoride	mg/l	Ion-Selective Electrode Method	< 0.50	≤5
Iron	mg/l	Digestion, Direct Air-Acetylene Flame	< 0.10	≤10
Silver	mg/l	Digestion, Inductively Coupled Plasma	< 0.05	≤1
Surfactants	mg/l as MBAS	Anionic Surfactants as MBAS	< 0.40	≤30

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

2. Container : Normal [PE 0.5 L [7 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. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Aocha Khwansirimongkhon (๖-003-๖-8332)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
22/01/2022REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6501038

Report No. 6501-1532

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 65010176
Sample Name : Influent Sampling Date : 05/01/2022
Sampling By : ETC Sampling Time : 11:20 AM
Sampling Method : Grab Received Date : 06/01/2022
Tested Date : 06/01/2022 - 20/01/2022 Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard
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 [7 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. Aocha Khwansirimongkhon (ว-003-จ-8332)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

22/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

22/01/2022

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Test Report

Request No : W6501174

Report No : 6501-1252

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65010749

Sample Name : Influent

Sampling Date : 10/01/2022

Sampling By : ETC

Sampling Time : 9:35 AM

Sampling Method : Grab

Received Date : 11/01/2022

Tested Date : 11/01/2022 - 17/01/2022

Reported Date : 19/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	42.2	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	282	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	5.3	≤10
pH (on site) *		Electrometric	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field	36	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	710	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	16	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	104	≤200

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

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

19/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

19/01/2022

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 : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 11/01/2022 - 17/01/2022

Request No : W6501174

Report No : 6501-1252

Sample No : W 65010749

Sampling Date : 10/01/2022

Sampling Time : 9:35 AM

Received Date : 11/01/2022

Reported Date : 19/01/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric	127	

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

3. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

19/01/2022

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 : Influent
Sampling By : ETC
Sampling Method : Grab
Tested Date : 18/01/2022 - 26/01/2022

Request No : W6501347
Report No : 6501-2110
Sample No : W 65011437
Sampling Date : 17/01/2022
Sampling Time : 10:55 AM
Received Date : 18/01/2022
Reported Date : 31/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	57.4	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	124	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤10
pH (on site) *		Electrometric	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	928	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	16	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (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 TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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


3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
31/01/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
31/01/2022

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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 : 18/01/2022 - 26/01/2022

Request No : W6501347

Report No : 6501-2110

Sample No : W 65011437
Sampling Date : 17/01/2022
Sampling Time : 10:55 AM
Received Date : 18/01/2022
Reported Date : 31/01/2022

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric	119	-

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

3. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)
31/01/2022

Test Report

Request No : W6501470

Report No : 6502-0209

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65011769

Sample Name : Influent

Sampling Date : 24/01/2022

Sampling By : ETC

Sampling Time : 11:10 AM

Sampling Method : Grab

Received Date : 25/01/2022

Tested Date : 25/01/2022 - 31/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	51.7	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	226	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤10
pH (on site) *		Electrometric	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field	39	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	968	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	18	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (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 TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ท-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

04/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

04/02/2022

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Test Report

Request No : W6501470

Report No : 6502-0209

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65011769

Sample Name : Influent

Sampling Date : 24/01/2022

Sampling By : ETC

Sampling Time : 11:10 AM

Sampling Method : Grab

Received Date : 25/01/2022

Tested Date : 25/01/2022 - 31/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/l as Cl ₂	Argentometric	105	-

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

3. Sampling By Mr. Songpon Phiwuan (ว-003-ค-7279)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/02/2022

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

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Test Report

Request No : W 6502204

Report No : 6502-1446

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65020769

Sample Name : Influent*

Sampling Date : 07/02/2022*

Sampling By : ETC*

Sampling Time : 10:50 AM*

Sampling Method : Grab*

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 19/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.9	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	124	≤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	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	780	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

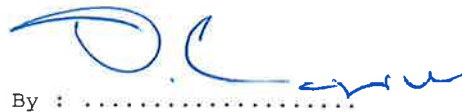
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/02/2022



REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6502204

Report No : 6502-1446

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65020769

Sample Name : Influent

Sampling Date : 07/02/2022

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 19/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	149	-

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 (ว-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

22/02/2022

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Test Report

Request No : W6502343

Report No : 6503-0203

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021350

Sample Name : Influent*

Sampling Date : 14/02/2022*

Sampling By : ETC*

Sampling Time : 9:00 AM*

Sampling Method : Grab*

Received Date : 15/02/2022

Tested Date : 15/02/2022 - 26/02/2022

Reported Date : 02/03/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.6	≤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	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	656	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	11	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	25	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
02/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
02/03/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6502343

Report No : 6503 -0203

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021350

Sample Name : Influent

Sampling Date : 14/02/2022

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 15/02/2022

Tested Date : 15/02/2022 - 26/02/2022

Reported Date : 02/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	115	-

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 (ว-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/03/2022

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Test Report

Request No : W6502485

Report No : 6503-0418

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021732

Sample Name : Influent*

Sampling Date : 21/02/2022*

Sampling By : ETC*

Sampling Time : 8:35 AM*

Sampling Method : Grab*

Received Date : 22/02/2022

Tested Date : 22/02/2022 - 02/03/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.9	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	150	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.0	≤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 C (SM:2540C)	612	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	37	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(๖-003-๖-4377)

05/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(๖-003-๖-2205)

05/03/2022

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Test Report

Request No : W6502485

Report No : 6503-0418

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 : 22/02/2022 - 02/03/2022

Sample No : W 65021732

Sampling Date : 21/02/2022

Sampling Time : 8:35 AM

Received Date : 22/02/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	112	-

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 (๖-003-๖-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/03/2022

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Test Report

Request No : W6503007

Report No : 6503-0931

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65030023

Sample Name : Influent*

Sampling Date : 28/02/2022*

Sampling By : ETC*

Sampling Time : 9:35 AM*

Sampling Method : Grab*

Received Date : 01/03/2022

Tested Date : 01/03/2022 - 09/03/2022

Reported Date : 11/03/2022

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	29.0	≤ 900
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	33	≤ 45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	800	≤ 3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤ 100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	33	≤ 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. /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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

11/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

11/03/2022

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Test Report

Request No : W6503007

Report No : 6503-0931

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 : 01/03/2022 - 09/03/2022

Sample No : W 65030023

Sampling Date : 28/02/2022

Sampling Time : 9:35 AM

Received Date : 01/03/2022

Reported Date : 11/03/2022

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	143	-

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 Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

11/03/2022

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 : Influent*
Sampling By : ETC*
Sampling Method : Grab*
Tested Date : 08/03/2022 - 22/03/2022

Sample No : W 65030870
Sampling Date : 07/03/2022*
Sampling Time : 8:35 AM*
Received Date : 08/03/2022
Reported Date : 28/03/2022

Request No : W6503210

Report No : 6503-1926

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	32.2	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	176	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.8	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	516	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	50	≤200

Physical Appearance : 1. Sample : slightly - white, 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 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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
28/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
28/03/2022

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 : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 08/03/2022 - 22/03/2022

Request No : W6503210

Report No : 6503-1926

Sample No : W 65030870

Sampling Date : 07/03/2022

Sampling Time : 8:35 AM

Received Date : 08/03/2022

Reported Date : 28/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	109	

Physical Apperance : 1. Sample : slightly - white, 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. Sampling By Mr. Supharerk Phatklang (1-003-จ-5637)

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/03/2022

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 2 ##
Sample Name : Influent*
Sampling By : ETC*
Sampling Method : Grab*
Tested Date : 15/03/2022 - 25/03/2022

Request No : W6503375
Report No : 6503-2131
Sample No : W 65031509
Sampling Date : 14/03/2022*
Sampling Time : 8:35 AM*
Received Date : 15/03/2022
Reported Date : 31/03/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.4	≤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	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	728	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	11	≤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 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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
31/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
31/03/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6503375

Report No : 6503-2131

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 : 15/03/2022 - 25/03/2022

Sample No : W 65031509
Sampling Date : 14/03/2022
Sampling Time : 8:35 AM
Received Date : 15/03/2022
Reported Date : 31/03/2022

Parameter	Unit	Method	Result	Standard/ ^l
Chloride	mg/l as Cl ₂	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 (ว-003-จ-5637)
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)
31/03/2022

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Test Report

Request No : W6503509

Report No : 6504-0101

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65031987

Sample Name : Influent*

Sampling Date : 21/03/2022*

Sampling By : ETC*

Sampling Time : 12:10 PM*

Sampling Method : Grab*

Received Date : 22/03/2022

Tested Date : 22/03/2022 - 31/03/2022

Reported Date : 04/04/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	34.6	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	204	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.0	≤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)	648	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	94	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

04/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

04/04/2022

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 2 ##

Sample Name : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 22/03/2022 - 31/03/2022

Request No : W6503509

Report No : 6504 -0101

Sample No : W 65031987

Sampling Date : 21/03/2022

Sampling Time : 12:10 PM

Received Date : 22/03/2022

Reported Date : 04/04/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	138	-

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 Phiwan (3-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/04/2022

Test Report

Request No : W6503614

Report No : 6504-0377

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 : 29/03/2022 - 05/04/2022

Sample No : W 65032334

Sampling Date : 28/03/2022*

Sampling Time : 12:20 PM*

Received Date : 29/03/2022

Reported Date : 07/04/2022

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.7	≤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	36	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	832	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤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. /l 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
07/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
07/04/2022

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Test Report

Request No : W6503614

Report No : 6504-0377

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65032334

Sample Name : Influent

Sampling Date : 28/03/2022

Sampling By : ETC

Sampling Time : 12:20 PM

Sampling Method : Grab

Received Date : 29/03/2022

Tested Date : 29/03/2022 - 05/04/2022

Reported Date : 07/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	241	-

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. Parkpoom Buasawad (๖-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

07/04/2022

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 : 05/04/2022 - 20/04/2022

Sample No : W 65040464

Sampling Date : 04/04/2022**

Sampling Time : 9:00 AM**

Received Date : 05/04/2022

Reported Date : 26/04/2022

Request No : W6504096

Report No : 6504-1688

Parameter	Unit	Method	Result	Standard/ ¹
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)	33.0	≤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)	133	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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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 : 05/04/2022 - 20/04/2022

Request No : W6504096

Report No : 6504-1688

Sample No : W 65040464

Sampling Date : 04/04/2022**

Sampling Time : 9:00 AM**

Received Date : 05/04/2022

Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard/ ¹
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	22	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Copper @	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤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 ⁶⁺	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. @ = 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (๓-003-๓-7280)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kwae Thong)

Examined By : 

(Miss Apiradee Chuen-arom)

(๓-003-๓-4377)

26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)

(๓-003-๓-2205)

26/04/2022

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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 : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504-1688
Sample No : W 65040464
Sampling Date : 04/04/2022**
Sampling Time : 9:00 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022


Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 1
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.7	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 / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (5.0000 m³/day)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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

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 : 05/04/2022 - 20/04/2022

Sample No : W 65040464

Sampling Date : 04/04/2022**

Sampling Time : 9:00 AM**

Received Date : 05/04/2022

Reported Date : 26/04/2022

Request No : W6504096

Report No : 6504-1688

Parameter	Unit	Method	Result	Standard ¹
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.042	≤1
Selenium *	mg/l	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0050	≤0.02
Sulfide *	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	646	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	23	≤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. @ = 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-7280)*

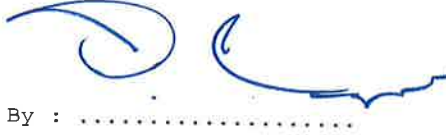
5. ** = These data are non laboratory data.

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofia Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ท-2205)
26/04/2022

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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 : Influent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504-1688

Sample No : W 65040464
Sampling Date : 04/04/2022**
Sampling Time : 9:00 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/l as Cr ³⁺	Digestion, Direct AAS Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3111B)	< 0.10	≤ 0.75
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.75	≤ 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 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 / Mr. Kawee Suthasub is Technical Management.


4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kwae Eppa) **

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
26/04/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
26/04/2022

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 : Influent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504 -1688
Sample No : W 65040464
Sampling Date : 04/04/2022**
Sampling Time : 9:00 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	140	-
Chlorine (Residual) *	mg/l as Cl ₂	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,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.18	≤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. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*
5. Parameter Outside The Scope of The Registration of Department of Industrial Works
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (KroPa Plant)**



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)
26/04/2022

Request No. W6504096

Report No. 6504-1688

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 : 05/04/2022 – 20/04/2022
Sample No. : W 65040464
Sampling Date : 04/04/2022
Sampling Time : 9:00 AM
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ^{1/}
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 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-7280)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By



(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Mr. Kawee Suthasub)

(ว-003-ค-2205)

26/04/2022

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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 : 12/04/2022 - 23/04/2022

Sample No : W 65041084

Sampling Date : 11/04/2022**

Sampling Time : 10:15 AM**

Received Date : 12/04/2022

Reported Date : 28/04/2022

Request No : W6504291

Report No : 6504-1940

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	25.7	≤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	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	672	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	8	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ท-7279)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
28/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
28/04/2022

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 : Influent
Sampling By : ETC
Sampling Method : Grab
Tested Date : 12/04/2022 - 23/04/2022

Request No : W6504291
Report No : 6504- 1940
Sample No : W 65041084
Sampling Date : 11/04/2022
Sampling Time : 10:15 AM
Received Date : 12/04/2022
Reported Date : 28/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	194	

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. Songpon Phiwuan (3-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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

Examined By :

(Miss Apiradee Chuen-arom)
28/04/2022

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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 : 19/04/2022 - 26/04/2022

Request No : W6504350, W 6505079

Report No : 6505-1205-1, 6505-1207

Sample No : W 65041249, W 65050347
Sampling Date : 18/04/2022, 04/05/2022**
Sampling Time : 11:45 AM, 10:55 AM**
Received Date : 19/04/2022, 05/05/2022
Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard ¹
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)	276	≤750
Oil and Grease @/2	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	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	556	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	18	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	141	≤200

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. /2 Sample No. W65050347 : Sampling Date 04/05/2022 (10:55 AM) : Tested Date 05/05/2022 - 13/05/2022


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 / Mr. Kawee Suthasub is Technical Management.

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

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

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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

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 : 19/04/2022 - 26/04/2022

Request No : W6504350

Report No : 6505-1205

Sample No : W 65041249
Sampling Date : 18/04/2022
Sampling Time : 11:45 AM
Received Date : 19/04/2022
Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	96.6	-

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. /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. Supharek Phatklang (ว-003-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)
19/05/2022

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 : Influent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 26/04/2022 - 03/05/2022

Request No : W6504508, W 6505210
Report No : 6505-1627-1, 6505-1629
Sample No : W 65041830, W 65050797
Sampling Date : 25/04/2022, 09/05/2022**
Sampling Time : 11:45 AM, 12:15 PM**
Received Date : 26/04/2022, 10/05/2022**
Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	68.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	277	≤750
Oil and Grease @/2	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)	736	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	7	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	107	≤200

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. /2 Sample No. W65050797 : Sampling Date 09/05/2022 (12:15 PM) : Tested Date 10/05/2022 - 19/05/2022


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 / Mr. Kawee Suthasub is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*

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

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
21/05/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
21/05/2022

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Test Report

Request No : W6504508

Report No : 6505-1627

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65041830

Sample Name : Influent

Sampling Date : 25/04/2022

Sampling By : ETC

Sampling Time : 11:45 AM

Sampling Method : Grab

Received Date : 26/04/2022

Tested Date : 26/04/2022 - 03/05/2022

Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	124	-

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 Phiwan (ว-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

21/05/2022

Test Report

Request No : W6505078

Report No : 6505-1199

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 : 05/05/2022 - 13/05/2022

Sample No : W 65050345
Sampling Date : 04/05/2022**
Sampling Time : 10:55 AM**
Received Date : 05/05/2022
Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	57.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	206	≤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	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	980	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	40	≤200

Physical Apperance : 1. Sample : slightly - white, 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 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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทกชีวภาพ แห่งที่ 2 (Krofa Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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Test Report

Request No : W6505078

Report No : 6505-1199

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65050345

Sample Name : Influent

Sampling Date : 04/05/2022

Sampling By : ETC

Sampling Time : 10:55 AM

Sampling Method : Grab

Received Date : 05/05/2022

Tested Date : 05/05/2022 - 13/05/2022

Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	113	-

Physical Apperance : 1. Sample : slightly - white, 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. Supharek Phatklang (๖-003-๖-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

19/05/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6505209


Report No : 6505-1632

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 : 10/05/2022 - 19/05/2022
Sample No : W 65050795
Sampling Date : 09/05/2022**
Sampling Time : 12:15 PM**
Received Date : 10/05/2022
Reported Date : 21/05/2022


Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	19.6	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	77	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	750	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	13	≤200

Physical Appearance : 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. @ = 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 / Mr. Kawee Suthasub 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 (Kongka Phibarn)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
21/05/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
21/05/2022

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 : Influent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 10/05/2022 - 19/05/2022

Request No : W6505209

Report No : 6505- 1632

Sample No : W 65050795

Sampling Date : 09/05/2022

Sampling Time : 12:15 PM

Received Date : 10/05/2022

Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	184	-

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

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

4. Sampling By Mr. Songpon Phiwuan (จ-003-ก-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

21/05/2022

Test Report

Request No : W6505345

Report No : 6505-2177

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 : 17/05/2022 - 24/05/2022

Sample No : W 65051387
Sampling Date : 16/05/2022**
Sampling Time : 8:40 AM**
Received Date : 17/05/2022
Reported Date : 31/05/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	24.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	181	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.8	≤10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	576	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	51	≤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 / Mr. Kawee Suthasub 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 (Krofta Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
31/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
31/05/2022

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Test Report

Request No : W6505345

Report No : 6505-2177

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65051387

Sample Name : Influent

Sampling Date : 16/05/2022

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 17/05/2022

Tested Date : 17/05/2022 - 24/05/2022

Reported Date : 31/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	95.6	-

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 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

31/05/2022

Test Report

Request No : W6505486

Report No : 6506-0057

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 : 24/05/2022 - 30/05/2022

Sample No : W 65051885
Sampling Date : 23/05/2022**
Sampling Time : 11:30 AM**
Received Date : 24/05/2022
Reported Date : 04/06/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.9	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	162	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.4	≤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)	710	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	28	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (K. S. B. Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-จ-4377)
04/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-จ-2205)
04/06/2022

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Test Report

Request No : W6505486

Report No : 6506-0057

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65051885

Sample Name : Influent

Sampling Date : 23/05/2022

Sampling By : ETC

Sampling Time : 11:30 AM

Sampling Method : Grab

Received Date : 24/05/2022

Tested Date : 24/05/2022 - 30/05/2022

Reported Date : 04/06/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	121	-

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 (ว-003-จ-8334)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/06/2022

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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 : 07/06/2022 - 14/06/2022

Sample No : W 65060578

Sampling Date : 06/06/2022**

Sampling Time : 9:25 AM**

Received Date : 07/06/2022

Reported Date : 18/06/2022

Request No : W6506146

Report No : 6506-1323

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	15.5	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	156	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.8	≤10
pH (on site) *		Electrometric Method	8.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	624	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	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. @ = 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 / Mr. Kawee Suthasub 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 2 (Kachana Village)**

Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
18/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
18/06/2022

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Test Report

Request No : W6506146

Report No : 6506-1323

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65060578

Sample Name : Influent

Sampling Date : 06/06/2022

Sampling By : ETC

Sampling Time : 9:25 AM

Sampling Method : Grab

Received Date : 07/06/2022

Tested Date : 07/06/2022 - 14/06/2022

Reported Date : 18/06/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	106	-

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 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

18/06/2022

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Test Report

Request No : W6506345, W 6507093

Report No : 6507-0858-1, 6507-1361

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65061347, W 65070390

Sample Name : Influent**

Sampling Date : 13/06/2022, 04/07/2022**

Sampling By : ETC**

Sampling Time : 10:30 AM, 9:00 AM**

Sampling Method : Grab**

Received Date : 14/06/2022, 05/07/2022

Tested Date : 14/06/2022 - 23/06/2022

Reported Date : 19/07/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	214	≤750
Oil and Grease @/2	mg/l	Partition-Gravimetric Method (SM:5520B)	5.2	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	624	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	135	≤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. W65070390 : Sampling Date 04/07/2022 (9:00 AM) : Tested Date 05/07/2022 - 14/07/2022

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 / Mr. Kawee Suthasub is Technical Management.

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/07/2022

SUPPLEMENT TO TEST REPORT NO. 6507-0858



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/07/2022

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Test Report

Request No : W6506345

Report No : 6507-0858

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65061347

Sample Name : Influent

Sampling Date : 13/06/2022

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 14/06/2022

Tested Date : 14/06/2022 - 23/06/2022

Reported Date : 12/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	132	-

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-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

12/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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TEST REPORT

Request No. : W6412337, W6501471

Report No. : 6501-0327-1, 6502-0223

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 : 14/12/2021 – 22/12/2021

Sample No. : W 64121371, W 65011771

Sampling Date : 13/12/2021, 24/01/2022

Sampling Time : 11:35 AM, 11:15 AM

Received Date : 14/12/2021, 25/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic*	mg/l	Continuous, Hydride Generation / Atomic Absorption Spectrometric	< 0.0020	≤ 0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	10.6	≤20
Cadmium*	mg/l	Digestion,Inductively Coupled Plasma	< 0.03	≤0.03
Copper *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Colorimetric Method	< 0.050	≤0.25
Lead *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric	< 0.0010	≤0.005

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. W65011771 : Sampling Date 24/01/2022 (11:15 AM) : Tested Date 25/01/2022 – 29/01/2022


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

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


4. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (๖-003-๓-7279)*

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By 
(Miss Apiradee Chuen-arom)
(๖-003-๓-4377)
04/02/2022



Approved By 
(Mr. Kawee Suthasub)
(๖-003-๓-2205)
04/02/2022

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TEST REPORT

Request No. : W6412337, W6501471

Report No. : 6501-0327-1, 6502-0223

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 : 14/12/2021 – 22/12/2021

Sample No. : W 64121371, W 65011771

Sampling Date : 13/12/2021, 24/01/2022

Sampling Time : 11:35 AM, 11:15 AM

Received Date : 14/12/2021, 25/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard ¹
Nickel *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤1
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤5
pH (on site) *		Electrometric	6.8	5.5-9.0
Temperature *	°C	Laboratory and Field	31	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	875	≤3000
Total Suspended Solids # ²	mg/l	Dried at 103-105 C : APHA 2017 (2540 D)	5	≤50
Zinc*	mg/l	Digestion,Inductively Coupled Plasma	1.15	≤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. /2 Sample No. W65011771 : Sampling Date 24/01/2022 (11:15 AM) : Tested Date 25/01/2022 – 29/01/2022
 3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
 4. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
 5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ก-7279)*
 6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

04/02/2022

SUPPLEMENT TO TEST REPORT NO. 6501-0327



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

04/02/2022

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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 : 21/12/2021 - 28/12/2021

Request No : W6412500
Report No : 6501-0345
Sample No : W 64121850
Sampling Date : 20/12/2021
Sampling Time : 9:00 AM
Received Date : 21/12/2021
Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	12.9	≤20
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	66	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤5
pH (on site) *		Electrometric	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field	32	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	925	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	6	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (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 TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-0-5637)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(1-003-ค-4377)
05/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(1-003-ค-2205)
05/01/2022

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 : 21/12/2021 - 28/12/2021

Request No : W6412500

Report No : 6501-0345

Sample No : W 64121850

Sampling Date : 20/12/2021

Sampling Time : 9:00 AM

Received Date : 21/12/2021

Reported Date : 05/01/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric	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. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

3. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/01/2022

Test Report

Request No : W6501038

Report No : 6501-1533

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 : 06/01/2022 - 20/01/2022

Sample No : W 65010177
Sampling Date : 05/01/2022
Sampling Time : 11:10 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/l	Continuous Hydride Generation/Atomic Absorption Spectrometric	< 0.0020	≤0.25
Barium *	mg/l	Digestion,Inductively Coupled Plasma	0.08	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	6.7	≤20
Cadmium *	mg/l	Digestion,Inductively Coupled Plasma	< 0.03	≤0.03
Chemical Oxygen Demand *	mg/l	Closed Reflux,Titrimetric	< 40	≤120
Color (Original) *	ADMI	ADMI Weighted Ordinate Method	23	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Method	24	≤300

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L* [7 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,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ท-8332)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
22/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
22/01/2022

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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 : 06/01/2022 - 20/01/2022

Request No : W6501038
Report No : 6501-1533
Sample No : W 65010177
Sampling Date : 05/01/2022
Sampling Time : 11:10 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022


Parameter	Unit	Method	Result	Standard ¹
Copper *	mg/l	Digestion, Direct Air-Acetylene Flame	< 0.10	≤2
Cyanide *	mg/l as HCN	Distillation, Colorimetric Method	< 0.020	≤0.2
Formaldehyde *	mg/l	Distillation, Colorimetric	< 0.50	≤1
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Colorimetric Method	< 0.050	≤0.25
Lead *	mg/l	Digestion, Direct Air-Acetylene Flame	< 0.10	≤0.2
Manganese *	mg/l	Digestion, Inductively Coupled Plasma	< 0.03	≤5
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric	< 0.0010	≤0.005
Nickel *	mg/l	Digestion, Direct Air-Acetylene Flame	< 0.10	≤1
Oil and Grease [®]	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L* [7 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,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/01/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/01/2022

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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 : 06/01/2022 - 20/01/2022

Request No : W6501038

Report No : 6501-1533

Sample No : W 65010177
Sampling Date : 05/01/2022
Sampling Time : 11:10 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric	7.3	5.5-9.0
Phenol *	mg/l	Distillation, Direct Photometric	0.010	≤1
Selenium *	mg/l	Continuous Hydride Generation/Atomic Absorption Spectrometric	< 0.0050	≤0.02
Sulfide *	mg/l as H ₂ S	ZnS Precipitation, Iodometric	< 0.53	≤1
Temperature *	°C	Laboratory and Field	34	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	648	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	6	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	6	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L* [7 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,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krota Plana)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/01/2022

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Test Report

Request No : W6501038

Report No : 6501-1533

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 : 06/01/2022 - 20/01/2022

Sample No : W 65010177
Sampling Date : 05/01/2022
Sampling Time : 11:10 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Trivalent Chromium *	mg/l as Cr ³⁺	Digestion, Direct Air-Acetylene Flame Method; Filtration, Colorimetric Method; Calculation	< 0.10	≤ 0.75
Zinc *	mg/l	Digestion, Inductively Coupled Plasma	0.92	≤ 5

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L* [7 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,
Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-จ-8332)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/01/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/01/2022

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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 : 06/01/2022 - 20/01/2022

Request No : W6501038

Report No : 6501-1533

Sample No : W 65010177
Sampling Date : 05/01/2022
Sampling Time : 11:10 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chlorine (Residual)	mg/l as Cl ₂	DPD Colorimetric	0.2	≤1

- Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L [7 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. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. Sampling By Mr. Aocha Khwansirimongkhon (ว-003-จ-8332)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
22/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6501038

Report No. 6501-1533

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 : 06/01/2022 – 20/01/2022
Sample No. : W 65010177
Sampling Date : 05/01/2022
Sampling Time : 11:10 AM
Received Date : 06/01/2022
Reported Date : 22/01/2022

Parameter	Unit	Method	Result	Standard ¹
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 [7 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. Aocha Khwansirimongkhon (ว-003-จ-8332)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

22/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

22/01/2022

REPORTED TESTS 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 : 11/01/2022 - 17/01/2022

Request No : W6501174

Report No : 6501-1253

Sample No : W 65010750

Sampling Date : 10/01/2022

Sampling Time : 9:30 AM

Received Date : 11/01/2022

Reported Date : 19/01/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	13.9	≤20
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤5
pH (on site) *		Electrometric	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field	34	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	880	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	8	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-5637)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

19/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

19/01/2022

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 : 11/01/2022 - 17/01/2022

Request No : W6501174

Report No : 6501-1253

Sample No : W 65010750
Sampling Date : 10/01/2022
Sampling Time : 9:30 AM
Received Date : 11/01/2022
Reported Date : 19/01/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Chloride	mg/l as Cl ₂	Argentometric	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. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
19/01/2022

Test Report

Request No : W6501347

Report No : 6501-2111

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65011438

Sample Name : Effluent

Sampling Date : 17/01/2022

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 18/01/2022

Tested Date : 18/01/2022 - 27/01/2022

Reported Date : 31/01/2022

Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/l	Continuous Hydride Generation/Atomic Absorption Spectrometric	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	7.7	≤20
Cadmium *	mg/l	Digestion,Inductively Coupled Plasma	< 0.03	≤0.03
Copper *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Colorimetric Method	< 0.050	≤0.25
Lead *	mg/l	Digestion,Direct Air-Acetylene Flame	< 0.10	≤0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric	< 0.0010	≤0.005

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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
31/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
31/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6501347

Report No : 6501-2111

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65011438

Sample Name : Effluent

Sampling Date : 17/01/2022

Sampling By : ETC

Sampling Time : 10:50 AM

Sampling Method : Grab

Received Date : 18/01/2022

Tested Date : 18/01/2022 - 27/01/2022

Reported Date : 31/01/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Nickel *	mg/l	Digestion, Direct Air-Acetylene Flame	< 0.10	≤ 1
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field	33	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	1,024	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	5	≤ 50
Zinc *	mg/l	Digestion, Inductively Coupled Plasma	0.86	≤ 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,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

31/01/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

31/01/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6501470

Report No : 6502-0210

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65011770

Sample Name : Effluent

Sampling Date : 24/01/2022

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 25/01/2022

Tested Date : 25/01/2022 - 31/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode : APHA 2017 (5210B)	< 2.0	≤20
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric	41	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method : APHA 2017 (5520B)	< 3.0	≤5
pH (on site) *		Electrometric	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field	30	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C : APHA 2017 (2540C)	1,604	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl	6	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C : APHA 2017 (2540D)	5	≤50

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

04/02/2022

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Test Report

Request No : W6501470

Report No : 6502-0210

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65011770

Sample Name : Effluent

Sampling Date : 24/01/2022

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 25/01/2022

Tested Date : 25/01/2022 - 31/01/2022

Reported Date : 04/02/2022

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric	243	-

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

3. Sampling By Mr. Songpon Phiwuan (ว-003-ค-7279)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)
04/02/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W 6502204

Report No : 6502-1447

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65020770

Sample Name : Effluent*

Sampling Date : 07/02/2022*

Sampling By : ETC*

Sampling Time : 10:40 AM*

Sampling Method : Grab*

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 19/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard ¹
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)	7.7	≤20
Cadmium *	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

22/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

22/02/2022

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Test Report

Request No : W6502204

Report No : 6502-1447

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65020770

Sample Name : Effluent*

Sampling Date : 07/02/2022*

Sampling By : ETC*

Sampling Time : 10:40 AM*

Sampling Method : Grab*

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 19/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard ¹
Lead *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 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 C (SM:2540C)	868	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	11	≤ 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.

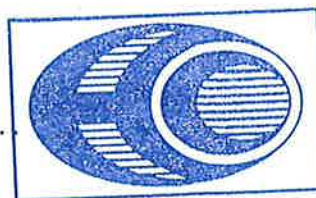
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ท-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
22/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
22/02/2022

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Test Report

Request No : W6502204

Report No : 6502-1447

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65020770

Sample Name : Effluent*

Sampling Date : 07/02/2022*

Sampling By : ETC*

Sampling Time : 10:40 AM*

Sampling Method : Grab*

Received Date : 08/02/2022

Tested Date : 08/02/2022 - 19/02/2022

Reported Date : 22/02/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc *	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.62	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/02/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/02/2022

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Test Report

Request No : W6502343

Report No : 6503-0204

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021351

Sample Name : Effluent*

Sampling Date : 14/02/2022*

Sampling By : ETC*

Sampling Time : 8:50 AM*

Sampling Method : Grab*

Received Date : 15/02/2022

Tested Date : 15/02/2022 - 26/02/2022

Reported Date : 02/03/2022

Parameter	Unit	Method	Result	Standard ¹
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	33	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	864	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	7	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
02/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
02/03/2022

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Test Report

Request No : W6502343

Report No : 6503- 0204

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021351

Sample Name : Effluent

Sampling Date : 14/02/2022

Sampling By : ETC

Sampling Time : 8:50 AM

Sampling Method : Grab

Received Date : 15/02/2022

Tested Date : 15/02/2022 - 26/02/2022

Reported Date : 02/03/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	185	-

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]

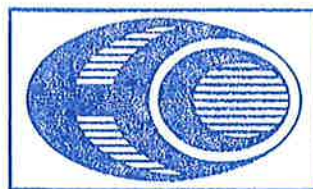
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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 (ว-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/03/2022

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Test Report

Request No : W6502485

Report No : 6503-0419

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021733

Sample Name : Effluent*

Sampling Date : 21/02/2022*

Sampling By : ETC*

Sampling Time : 8:30 AM*

Sampling Method : Grab*

Received Date : 22/02/2022

Tested Date : 22/02/2022 - 02/03/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard ¹
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, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Appearance : 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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
05/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
05/03/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6502485

Report No : 6503-0419

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021733

Sample Name : Effluent*

Sampling Date : 21/02/2022*

Sampling By : ETC*

Sampling Time : 8:30 AM*

Sampling Method : Grab*

Received Date : 22/02/2022

Tested Date : 22/02/2022 - 02/03/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard ¹
Lead *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 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	32	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	896	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	6	≤ 50

Physical Appearance : 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-5637)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
05/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
05/03/2022

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Test Report

Request No : W6502485

Report No : 6503-0419

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65021733

Sample Name : Effluent*

Sampling Date : 21/02/2022*

Sampling By : ETC*

Sampling Time : 8:30 AM*

Sampling Method : Grab*

Received Date : 22/02/2022

Tested Date : 22/02/2022 - 02/03/2022

Reported Date : 05/03/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc *	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.58	≤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.

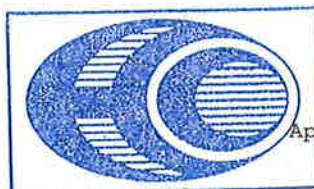
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
05/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
05/03/2022

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Test Report

Request No : W6503007

Report No : 6503-0932

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65030024

Sample Name : Effluent*

Sampling Date : 28/02/2022*

Sampling By : ETC*

Sampling Time : 9:30 AM*

Sampling Method : Grab*

Received Date : 01/03/2022

Tested Date : 01/03/2022 - 09/03/2022

Reported Date : 11/03/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.8	≤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	32	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	776	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	8	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	13	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ก-8334)*

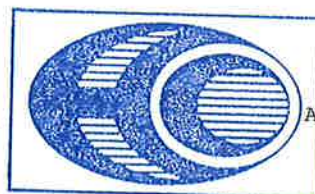
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

11/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

11/03/2022

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Test Report

Request No : W6503007

Report No : 6503-0932

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65030024

Sample Name : Effluent

Sampling Date : 28/02/2022

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 01/03/2022

Tested Date : 01/03/2022 - 09/03/2022

Reported Date : 11/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	150	-

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 (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

11/03/2022

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Test Report

Request No : W6503210

Report No : 6503-1927

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65030871

Sample Name : Effluent*

Sampling Date : 07/03/2022*

Sampling By : ETC*

Sampling Time : 8:25 AM*

Sampling Method : Grab*

Received Date : 08/03/2022

Tested Date : 08/03/2022 - 22/03/2022

Reported Date : 28/03/2022

Parameter	Unit	Method	Result	Standard/ ¹
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)	2.5	≤20
Cadmium *	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	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* [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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
28/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
28/03/2022

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Test Report

Request No : W6503210

Report No : 6503-1927

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65030871

Sample Name : Effluent*

Sampling Date : 07/03/2022*

Sampling By : ETC*

Sampling Time : 8:25 AM*

Sampling Method : Grab*

Received Date : 08/03/2022

Tested Date : 08/03/2022 - 22/03/2022

Reported Date : 28/03/2022

Parameter	Unit	Method	Result	Standard ¹
Lead *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel *	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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	34	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	624	≤ 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* [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,

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3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
28/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
28/03/2022

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Test Report

Request No : W6503210

Report No : 6503-1927

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65030871

Sample Name : Effluent*

Sampling Date : 07/03/2022*

Sampling By : ETC*

Sampling Time : 8:25 AM*

Sampling Method : Grab*

Received Date : 08/03/2022

Tested Date : 08/03/2022 - 22/03/2022

Reported Date : 28/03/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc *	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.74	≤5

Physical Apperance : 1. Sample : yellowish, 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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

28/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

28/03/2022

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Test Report

Request No : W6503375

Report No : 6503-2132

Customer : Amata City Rayong Co.,Ltd.*

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65031510

Sample Name : Effluent*

Sampling Date : 14/03/2022*

Sampling By : ETC*

Sampling Time : 8:30 AM*

Sampling Method : Grab*

Received Date : 15/03/2022

Tested Date : 15/03/2022 - 25/03/2022

Reported Date : 31/03/2022

Parameter	Unit	Method	Result	Standard/ ¹
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	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	29	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	728	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	7	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	8	≤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. /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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
31/03/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
31/03/2022

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Test Report

Request No : W6503375

Report No : 6503-2132

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65031510

Sample Name : Effluent

Sampling Date : 14/03/2022

Sampling By : ETC

Sampling Time : 8:30 AM

Sampling Method : Grab

Received Date : 15/03/2022

Tested Date : 15/03/2022 - 25/03/2022

Reported Date : 31/03/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	172	-

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

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

31/03/2022

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

COPY

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 : 22/03/2022 - 31/03/2022

Sample No : W 65031988

Sampling Date : 21/03/2022*

Sampling Time : 12:05 PM*

Received Date : 22/03/2022

Reported Date : 04/04/2022

Request No : W6503509

Report No : 6504-0102

Parameter	Unit	Method	Result	Standard ¹
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)	2.3	≤20
Cadmium *	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper *	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By : 
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

04/04/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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COPY

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 : 22/03/2022 - 31/03/2022

Request No : W6503509

Report No : 6504-0102

Sample No : W 65031988

Sampling Date : 21/03/2022*

Sampling Time : 12:05 PM*

Received Date : 22/03/2022

Reported Date : 04/04/2022

Parameter	Unit	Method	Result	Standard/ ¹
Lead *	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel *	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤1
Oil and Grease ^Q	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	31	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	680	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

04/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

04/04/2022

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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 : 22/03/2022 - 31/03/2022

Sample No : W 65031988

Sampling Date : 21/03/2022*

Sampling Time : 12:05 PM*

Received Date : 22/03/2022

Reported Date : 04/04/2022

Parameter	Unit	Method	Result	Standard ¹
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* [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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ค-7279)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

04/04/2022

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 : 29/03/2022 - 02/04/2022

Request No : W6503614

Report No : 6504-0378

Sample No : W 65032335

Sampling Date : 28/03/2022*

Sampling Time : 12:10 PM*

Received Date : 29/03/2022

Reported Date : 07/04/2022

Parameter	Unit	Method	Result	Standard ¹
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	36	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	912	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
07/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
07/04/2022

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Test Report

Request No : W6503614

Report No : 6504-0378

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65032335

Sample Name : Effluent

Sampling Date : 28/03/2022

Sampling By : ETC

Sampling Time : 12:10 PM

Sampling Method : Grab

Received Date : 29/03/2022

Tested Date : 29/03/2022 - 02/04/2022

Reported Date : 07/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	209	-

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 (จ-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

07/04/2022

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 : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504-1689
Sample No : W 65040465
Sampling Date : 04/04/2022**
Sampling Time : 8:50 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
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)	0.08	≤1
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
Chemical Oxygen Demand #	mg/l	Closed Reflux,Titrimetric Method (SM:5220C)	63	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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 : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504-1689
Sample No : W 65040465
Sampling Date : 04/04/2022**
Sampling Time : 8:50 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022


Parameter	Unit	Method	Result	Standard ¹
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, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤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 ⁶⁺	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. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
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3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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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 : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504-1689
Sample No : W 65040465
Sampling Date : 04/04/2022**
Sampling Time : 8:50 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022


Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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

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 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 / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Test Report

Request No : W6504096

Report No : 6504-1689


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 : 05/04/2022 - 20/04/2022

Sample No : W 65040465
Sampling Date : 04/04/2022**
Sampling Time : 8:50 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.023	≤ 1
Selenium *	mg/l	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0050	≤ 0.02
Sulfide *	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500-S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	32	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	788	≤ 3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	8	≤ 100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	6	≤ 50

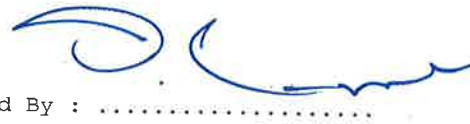
Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L [6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by 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 / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
26/04/2022

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 : 05/04/2022 - 20/04/2022

Request No : W6504096
Report No : 6504-1689
Sample No : W 65040465
Sampling Date : 04/04/2022**
Sampling Time : 8:50 AM**
Received Date : 05/04/2022
Reported Date : 26/04/2022


Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/l as Cr ³⁺	Digestion,Direct AAS Method; Filtration,Colorimetric Method;Calculation (SM:3500 -Cr B, 3111B)	< 0.10	≤0.75
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.59	≤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 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 / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroffa Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/04/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/04/2022

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 2 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 05/04/2022 - 20/04/2022

Request No : W6504096

Report No : 6504-1689

Sample No : W 65040465

Sampling Date : 04/04/2022

Sampling Time : 8:50 AM

Received Date : 05/04/2022

Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chlorine (Residual)	mg/l as Cl ₂	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. Parkpoom Buasawad (ว-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)
26/04/2022

Request No. W6504096

Report No. 6504-1689

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 : 05/04/2022 – 20/04/2022

Sample No. : W 65040465
Sampling Date : 04/04/2022
Sampling Time : 8:50 AM
Received Date : 05/04/2022
Reported Date : 26/04/2022

Parameter	Unit	Method	Result	Standard ¹
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. Parkpoom Buasawad (ว-003-ค-7280)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krotila Plant)


Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

26/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)

(ว-003-ค-2205)

26/04/2022

REPORTED TESTS 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 2 ##
Sample Name : Effluent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 12/04/2022 - 22/04/2022

Request No : W6504291
Report No : 6504-1941
Sample No : W 65041085
Sampling Date : 11/04/2022**
Sampling Time : 10:05 AM**
Received Date : 12/04/2022
Reported Date : 28/04/2022

Parameter	Unit	Method	Result	Standard/1
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)	< 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	29	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	708	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	13	≤50

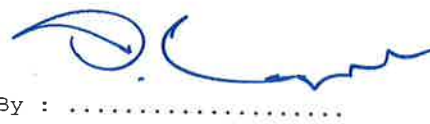
Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L , PE 1.0 L, PE 1.8 L, G 1.0 L]

- 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 / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (1-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)*

Examined By : 
(Miss Apiradee Chuen-arom)
(1-003-ค-4377)
28/04/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(1-003-ค-2205)
28/04/2022

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Test Report

Request No : W6504291

Report No : 6504-1941

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65041085

Sample Name : Effluent

Sampling Date : 11/04/2022

Sampling By : ETC

Sampling Time : 10:05 AM

Sampling Method : Grab

Received Date : 12/04/2022

Tested Date : 12/04/2022 - 22/04/2022

Reported Date : 28/04/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	166	

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 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/04/2022

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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 : 19/04/2022 - 26/04/2022

Request No : W6504350
Report No : 6505-1206
Sample No : W 65041250
Sampling Date : 18/04/2022**
Sampling Time : 11:35 AM**
Received Date : 19/04/2022
Reported Date : 19/05/2022


Parameter	Unit	Method	Result	Standard ¹
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)	7.0	≤20
Cadmium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : greenish, 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 / Mr. Kawee Suthasub 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 (Kandh Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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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 : 19/04/2022 - 26/04/2022


Sample No : W 65041250
Sampling Date : 18/04/2022**
Sampling Time : 11:35 AM**
Received Date : 19/04/2022
Reported Date : 19/05/2022

Request No : W6504350
Report No : 6505-1206

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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	33	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	504	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	8	≤ 50


Physical Apperance : 1. Sample : greenish, 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 / Mr. Kawee Suthasub 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 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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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 : 19/04/2022 - 26/04/2022

Request No : W6504350
Report No : 6505-1206
Sample No : W 65041250
Sampling Date : 18/04/2022**
Sampling Time : 11:35 AM**
Received Date : 19/04/2022
Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.29	≤5

Physical Apperance : 1. Sample : greenish, 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 / Mr. Kawee Suthasub 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 (Krofta Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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 : 26/04/2022 - 03/05/2022

Sample No : W 65041831
Sampling Date : 25/04/2022**
Sampling Time : 11:40 AM**
Received Date : 26/04/2022
Reported Date : 21/05/2022

Request No : W6504508
Report No : 6505-1628

Parameter	Unit	Method	Result	Standard ¹
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)	48	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	700	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	7	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	11	≤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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krom Thany)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
21/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
21/05/2022

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 : 26/04/2022 - 03/05/2022

Request No : W6504508

Report No : 6505-1628

Sample No : W 65041831
Sampling Date : 25/04/2022
Sampling Time : 11:40 AM
Received Date : 26/04/2022
Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	173	-

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 Phiwan (ว-003-ค-7279)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
21/05/2022

Test Report

Request No : W6505078

Report No : 6505-1200

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65050346

Sample Name : Effluent**

Sampling Date : 04/05/2022**

Sampling By : ETC**

Sampling Time : 10:50 AM**

Sampling Method : Grab**

Received Date : 05/05/2022

Tested Date : 05/05/2022 - 13/05/2022

Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard/ ¹
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)	6.6	≤20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Appearance : 1. Sample : yellowish, 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (๓-003-๓-5637)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kro-Bi-Mun) **

Examined By :

(Miss Apiradee Chuen-arom)

(๓-003-๓-4377)

19/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(๓-003-๓-2205)

19/05/2022

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GOPY

Test Report

Request No : W6505078

Report No : 6505-1200

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 : 05/05/2022 - 13/05/2022

Sample No : W 65050346
Sampling Date : 04/05/2022**
Sampling Time : 10:50 AM**
Received Date : 05/05/2022
Reported Date : 19/05/2022

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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	34	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	680	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	5	≤ 50

Physical Appearance : 1. Sample : yellowish, 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 / Mr. Kawee Suthasub 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 (Krofta Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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

COPY

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 : 05/05/2022 - 13/05/2022

Request No : W6505078
Report No : 6505-1200
Sample No : W 65050346
Sampling Date : 04/05/2022**
Sampling Time : 10:50 AM**
Received Date : 05/05/2022
Reported Date : 19/05/2022

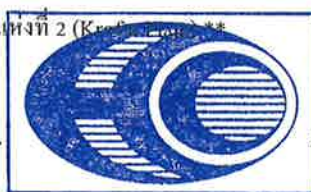
Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.33	≤5

Physical Apperance : 1. Sample : yellowish, 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 / Mr. Kawee Suthasub 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 (Kro-Bio-Tank)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/05/2022

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 : 10/05/2022 - 19/05/2022

Sample No : W 65050796

Sampling Date : 09/05/2022**

Sampling Time : 12:10 PM**

Received Date : 10/05/2022

Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ¹
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)	51	≤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	31	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	816	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	5	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	6	≤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 / Mr. Kawee Suthasub 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 (Krofta Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

21/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

21/05/2022

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Test Report

Request No : W6505209

Report No : 6505-1633

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65050796

Sample Name : Effluent

Sampling Date : 09/05/2022

Sampling By : ETC

Sampling Time : 12:10 PM

Sampling Method : Grab

Received Date : 10/05/2022

Tested Date : 10/05/2022 - 19/05/2022

Reported Date : 21/05/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	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. Songpon Phiwuan (จ-003-ก-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

21/05/2022

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 : 17/05/2022 - 25/05/2022

Sample No : W 65051388

Sampling Date : 16/05/2022**

Sampling Time : 8:35 AM**

Received Date : 17/05/2022

Reported Date : 31/05/2022

Request No : W6505345

Report No : 6505-2178

Parameter	Unit	Method	Result	Standard ¹
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)	5.4	≤20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	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 [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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (ว-003-ค-7279)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krota Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
31/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(ว-003-ค-2205)
31/05/2022

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 : 17/05/2022 - 25/05/2022

Sample No : W 65051388

Sampling Date : 16/05/2022**

Sampling Time : 8:35 AM**

Received Date : 17/05/2022

Reported Date : 31/05/2022

Request No : W6505345

Report No : 6505-2178

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 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 C (SM:2540C)	755	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	14	≤ 50

Physical Appearance : 1. Sample : yellow, 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 / Mr. Kawee Suthasub 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.

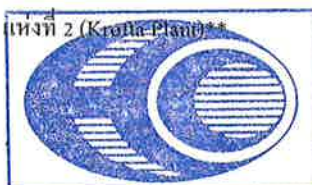
6. ## ระบบบำบัดน้ำเสียส่วนกลาง ทวีวัฒนา แห่งที่ 2 (Kroha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

31/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

31/05/2022

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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 : 17/05/2022 - 25/05/2022

Sample No : W 65051388

Sampling Date : 16/05/2022**

Sampling Time : 8:35 AM**

Received Date : 17/05/2022

Reported Date : 31/05/2022

Parameter	Unit	Method	Result	Standard/ ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.49	≤5

Physical Appearance : 1. Sample : yellow, 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.

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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 (Krotha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

31/05/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

31/05/2022

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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 : 24/05/2022 - 30/05/2022

Sample No : W 65051886

Sampling Date : 23/05/2022**

Sampling Time : 11:27 AM**

Received Date : 24/05/2022

Reported Date : 04/06/2022

Request No : W6505486

Report No : 6506-0058

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.2	≤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	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	750	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
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, 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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 อ.เมือง จ.ระยอง**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

04/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

04/06/2022

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Test Report

Request No : W6505486

Report No : 6506-0058

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65051886

Sample Name : Effluent

Sampling Date : 23/05/2022

Sampling By : ETC

Sampling Time : 11:27 AM

Sampling Method : Grab

Received Date : 24/05/2022

Tested Date : 24/05/2022 - 30/05/2022

Reported Date : 04/06/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	157	-

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 (๖-003-๖-8334)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/06/2022

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 : 07/06/2022 - 15/06/2022

Sample No : W 65060579

Sampling Date : 06/06/2022**

Sampling Time : 9:20 AM**

Received Date : 07/06/2022

Reported Date : 18/06/2022

Request No : W6506146

Report No : 6506-1324

Parameter	Unit	Method	Result	Standard ¹
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, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

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 / Mr. Kawee Suthasub 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 2 (Kroffa Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

18/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

18/06/2022

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Test Report

Request No : W6506146

Report No : 6506-1324

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65060579

Sample Name : Effluent**

Sampling Date : 06/06/2022**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 07/06/2022

Tested Date : 07/06/2022 - 15/06/2022

Reported Date : 18/06/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤0.2
Mercury [#]	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel [@]	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤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	31	≤40
Total Dissolved Solids [#]	mg/l	Dried at 180 C (SM:2540C)	720	≤3000
Total Suspended Solids [#]	mg/l	Dried at 103-105 C (SM:2540D)	6	≤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 / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthance Saiphan (๖-003-๓-๗๒๘๑) *

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kasab Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(๖-003-๓-๔๓๗๗)

18/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(๖-003-๓-๒๒๐๕)

18/06/2022

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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 : 07/06/2022 - 15/06/2022

Sample No : W 65060579

Sampling Date : 06/06/2022**

Sampling Time : 9:20 AM**

Received Date : 07/06/2022

Reported Date : 18/06/2022

Request No : W6506146

Report No : 6506-1324

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.51	≤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 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 / Mr. Kawee Suthasub 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 2 (Krofta Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
18/06/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
18/06/2022

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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 : 14/06/2022 - 23/06/2022

Sample No : W 65061348

Sampling Date : 13/06/2022**

Sampling Time : 10:25 AM**

Received Date : 14/06/2022

Reported Date : 12/07/2022

Request No : W6506345

Report No : 6507-0859

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.9	≤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	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	620	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (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 / Mr. Kawee Suthasub 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

12/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

12/07/2022

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Test Report

Request No : W6506345

Report No : 6507-0859

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65061348

Sample Name : Effluent

Sampling Date : 13/06/2022

Sampling By : ETC

Sampling Time : 10:25 AM

Sampling Method : Grab

Received Date : 14/06/2022

Tested Date : 14/06/2022 - 23/06/2022

Reported Date : 12/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	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 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 (ว-003-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

12/07/2022

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