

ภาคผนวกที่ 1

ผลการตรวจติดตามคุณภาพสิ่งแวดล้อม

Request No. ATR6511064

Report No. 6511-1237 - 6511-1243

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 : บ้านวังตาลหม่อน (A1)
 RECEIVED DATE : 30/11/2022 SAMPLE NO. : A65111237 - A65111243
 TESTED DATE : 30/11/2022-05/12/2022 REPORTED DATE : 08/12/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	11-12/11/2022	0.061	0.33	mg/m ³
		12-13/11/2022	0.056	0.33	mg/m ³
		13-14/11/2022	0.049	0.33	mg/m ³
		14-15/11/2022	0.054	0.33	mg/m ³
		15-16/11/2022	0.074	0.33	mg/m ³
		16-17/11/2022	0.061	0.33	mg/m ³
		17-18/11/2022	0.054	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

(Miss Thanatporn Klinsoon)

08/12/2022

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 WITHOUT THE WRITTEN APPROVAL LABORATORY

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Request No. ATR6511064

Report No. 6511-1230 - 6511-1236

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซิตี้ ระยอง ตำบลปอวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
 SAMPLE NAME : บ้านวังตาลหม่อน (A1)
 RECEIVED DATE : 30/11/2022 SAMPLE NO. : A65111230 - A65111236
 TESTED DATE : 30/11/2022-05/12/2022 REPORTED DATE : 08/12/2022

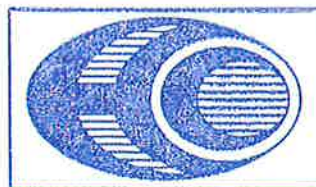
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	11-12/11/2022	0.045	0.12	mg/m ³
		12-13/11/2022	0.045	0.12	mg/m ³
		13-14/11/2022	0.040	0.12	mg/m ³
		14-15/11/2022	0.043	0.12	mg/m ³
		15-16/11/2022	0.056	0.12	mg/m ³
		16-17/11/2022	0.048	0.12	mg/m ³
		17-18/11/2022	0.043	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 อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoon)

08/12/2022

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Request No. LA65-R1193

Report No. R6511-3461 – R6511-3467

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) RECEIVED DATE : 18/11/2022
SAMPLE NO. : 34686-34692 REPORTED DATE : 01/12/2022

SAMPLING DATE	RESULT
	TEMPERATURE (°C) ¹
11-12/11/2022	34
12-13/11/2022	33
13-14/11/2022	35
14-15/11/2022	31
15-16/11/2022	30
16-17/11/2022	35
17-18/11/2022	33

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.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. ATR6511064

Report No. 6511-1223 - 6511-1229

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 : 30/11/2022 SAMPLE NO. : A65111223 - A65111229
TESTED DATE : 30/11/2022-08/12/2022 REPORTED DATE : 08/12/2022

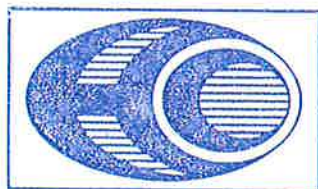
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	11-12/11/2022	0.099	0.33	mg/m ³
		12-13/11/2022	0.070	0.33	mg/m ³
		13-14/11/2022	0.036	0.33	mg/m ³
		14-15/11/2022	0.043	0.33	mg/m ³
		15-16/11/2022	0.110	0.33	mg/m ³
		16-17/11/2022	0.069	0.33	mg/m ³
		17-18/11/2022	0.081	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

(Miss Thanatporn Klinsonpon)

08/12/2022

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Request No. ATR6511064

Report No. 6511-1216 - 6511-1222

TEST REPORT

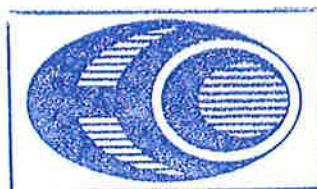
CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 นิคมอุตสาหกรรมอมตะซีดี ระยอง ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
 SAMPLE NAME : วัดราษฎร์อัสคาราม (A2)
 RECEIVED DATE : 30/11/2022 SAMPLE NO. : A65111216 - A65111222
 TESTED DATE : 30/11/2022-08/12/2022 REPORTED DATE : 08/12/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹¹	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	11-12/11/2022	0.061	0.12	mg/m ³
		12-13/11/2022	0.044	0.12	mg/m ³
		13-14/11/2022	0.022	0.12	mg/m ³
		14-15/11/2022	0.035	0.12	mg/m ³
		15-16/11/2022	0.068	0.12	mg/m ³
		16-17/11/2022	0.049	0.12	mg/m ³
		17-18/11/2022	0.055	0.12	mg/m ³

REMARK:¹¹ Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

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

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoon)

08/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R1193

Report No. R6511-3454 – R6511-3460

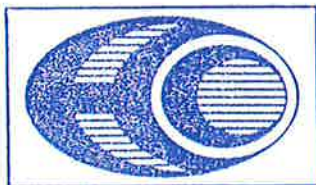
TEST REPORT

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 : 18/11/2022
SAMPLE NO. : 34679-34685 REPORTED DATE : 01/12/2022

SAMPLING DATE	RESULT
	TEMPERATURE (°C) ¹
11-12/11/2022	35
12-13/11/2022	34
13-14/11/2022	32
14-15/11/2022	33
15-16/11/2022	32
16-17/11/2022	31
17-18/11/2022	34

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.....

(MS. THANATPORN KLINSOPON)

01/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. ATR6511064

Report No. 6511-1251 - 6511-1257

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 : โรงเรียนบ้านภูไทร (A3)

RECEIVED DATE : 30/11/2022 SAMPLE NO. : A65111251 - A65111257

TESTED DATE : 30/11/2022-05/12/2022 REPORTED DATE : 08/12/2022

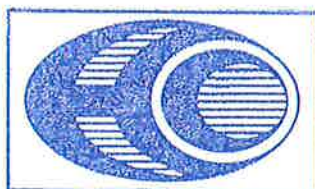
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	11-12/11/2022	0.171	0.33	mg/m ³
		12-13/11/2022	0.078	0.33	mg/m ³
		13-14/11/2022	0.049	0.33	mg/m ³
		14-15/11/2022	0.058	0.33	mg/m ³
		15-16/11/2022	0.234	0.33	mg/m ³
		16-17/11/2022	0.060	0.33	mg/m ³
		17-18/11/2022	0.057	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



(Miss Thanatporn Klinsochon)

08/12/2022

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Request No. ATR6511064

Report No. 6511-1244 - 6511-1250

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 : 30/11/2022 SAMPLE NO. : A65111244 - A65111250
 TESTED DATE : 30/11/2022-05/12/2022 REPORTED DATE : 08/12/2022

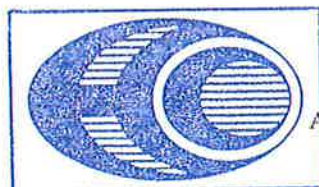
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	11-12/11/2022	0.099	0.12	mg/m ³
		12-13/11/2022	0.053	0.12	mg/m ³
		13-14/11/2022	0.041	0.12	mg/m ³
		14-15/11/2022	0.047	0.12	mg/m ³
		15-16/11/2022	0.102	0.12	mg/m ³
		16-17/11/2022	0.048	0.12	mg/m ³
		17-18/11/2022	0.042	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 อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoapon)

08/12/2022

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Request No. LA65-R1193

Report No. R6511-3468 – R6511-3474

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต ระยอง จำกัด
 ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
 SAMPLE SOURCE : บริษัท อมตะชีวิต ระยอง จำกัด
 SAMPLE POINT : โรงเรียนบ้านภูไทร (A3) RECEIVED DATE : 18/11/2022
 SAMPLE NO. : 34693-34699 REPORTED DATE : 01/12/2022

SAMPLING DATE	RESULT
	TEMPERATURE (°C) ¹
11-12/11/2022	34
12-13/11/2022	35
13-14/11/2022	36
14-15/11/2022	33
15-16/11/2022	34
16-17/11/2022	32
17-18/11/2022	33

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

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA65-R1193

Report No. R6511-3489 - R6511-3495

TEST REPORT

CUSTOMER : บริษัท อมตะซีดี ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีดี ระยอง จำกัด
SAMPLE POINT : บ้านวังศาลหม่อน (A1)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 3139

SAMPLE NO. : 34714-34720
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	11-12/11/2022	12-13/11/2022	13-14/11/2022	UNIT
10:00 - 11:00 ^{1/3}	0.003	0.002	0.002	ppm
11:00 - 12:00	0.003	0.003	0.003	ppm
12:00 - 13:00	0.003	0.003	0.002	ppm
13:00 - 14:00	0.002	0.002	0.002	ppm
14:00 - 15:00	0.003	0.002	0.002	ppm
15:00 - 16:00	0.003	0.003	0.003	ppm
16:00 - 17:00	0.003	0.002	0.002	ppm
17:00 - 18:00	0.002	0.002	0.003	ppm
18:00 - 19:00	0.002	0.003	0.002	ppm
19:00 - 20:00	0.002	0.003	0.002	ppm
20:00 - 21:00	0.001	0.002	0.003	ppm
21:00 - 22:00	0.002	0.002	0.002	ppm
22:00 - 23:00	0.002	0.002	0.003	ppm
23:00 - 00:00	0.002	0.003	0.003	ppm
00:00 - 01:00	0.002	0.002	0.002	ppm
01:00 - 02:00	0.002	0.002	0.002	ppm
02:00 - 03:00	0.002	0.003	0.003	ppm
03:00 - 04:00	0.002	0.002	0.003	ppm
04:00 - 05:00	0.002	0.003	0.002	ppm
05:00 - 06:00	0.002	0.002	0.002	ppm
06:00 - 07:00	0.002	0.002	0.002	ppm
07:00 - 08:00	0.003	0.003	0.002	ppm
08:00 - 09:00	0.003	0.002	0.002	ppm
09:00 - 10:00	0.003	0.002	0.002	ppm
Maximum 1 hr.	0.003	0.003	0.003	ppm
Average 24 hr.	0.002	0.002	0.002	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. Tummarut Phongsakham)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3489 - R6511-3495

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหีบ จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : บ่าน้ำตาลหม้อ (A1)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model TI00 S/N 3139

SAMPLE NO. : 34714-34720
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	14-15/11/2022	15-16/11/2022	16-17/11/2022	UNIT
10:00 - 11:00 ³	0.001	0.002	0.002	ppm
11:00 - 12:00	0.004	0.002	0.002	ppm
12:00 - 13:00	0.003	0.002	0.002	ppm
13:00 - 14:00	0.003	0.002	0.002	ppm
14:00 - 15:00	0.002	0.002	0.002	ppm
15:00 - 16:00	0.002	0.002	0.001	ppm
16:00 - 17:00	0.002	0.002	0.001	ppm
17:00 - 18:00	0.002	0.002	0.002	ppm
18:00 - 19:00	0.002	0.001	0.002	ppm
19:00 - 20:00	0.002	0.001	0.001	ppm
20:00 - 21:00	0.001	0.002	0.001	ppm
21:00 - 22:00	0.001	0.002	0.002	ppm
22:00 - 23:00	0.003	0.002	0.002	ppm
23:00 - 00:00	0.003	0.001	0.002	ppm
00:00 - 01:00	0.001	0.002	0.001	ppm
01:00 - 02:00	0.001	0.002	0.001	ppm
02:00 - 03:00	0.001	0.002	0.001	ppm
03:00 - 04:00	0.003	0.002	0.001	ppm
04:00 - 05:00	0.002	0.002	0.001	ppm
05:00 - 06:00	0.002	0.002	0.002	ppm
06:00 - 07:00	0.002	0.001	0.002	ppm
07:00 - 08:00	0.002	0.002	0.002	ppm
08:00 - 09:00	0.002	0.001	0.002	ppm
09:00 - 10:00	0.001	0.001	0.002	ppm
Maximum 1 hr.	0.004	0.002	0.002	ppm
Average 24 hr.	0.002	0.002	0.002	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarat Pienrakum)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3489 - R6511-3495

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอสัตหีบ จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : บ้านวังตาลหม่อน (A1)
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 3139

SAMPLE NO. : 34714-34720
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	17-18/11/2022	UNIT
10:00 - 11:00 ³	0.001	ppm
11:00 - 12:00	0.001	ppm
12:00 - 13:00	0.001	ppm
13:00 - 14:00	0.001	ppm
14:00 - 15:00	0.001	ppm
15:00 - 16:00	0.001	ppm
16:00 - 17:00	0.001	ppm
17:00 - 18:00	0.002	ppm
18:00 - 19:00	0.001	ppm
19:00 - 20:00	0.002	ppm
20:00 - 21:00	0.001	ppm
21:00 - 22:00	0.002	ppm
22:00 - 23:00	0.001	ppm
23:00 - 00:00	0.001	ppm
00:00 - 01:00	0.001	ppm
01:00 - 02:00	0.002	ppm
02:00 - 03:00	0.001	ppm
03:00 - 04:00	0.002	ppm
04:00 - 05:00	0.001	ppm
05:00 - 06:00	0.002	ppm
06:00 - 07:00	0.002	ppm
07:00 - 08:00	0.001	ppm
08:00 - 09:00	0.002	ppm
09:00 - 10:00	0.001	ppm
Maximum 1 hr.	0.002	ppm
Average 24 hr.	0.001	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. Tummarut Phoranchon)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By. 

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3503 - R6511-3509

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* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 3220

SAMPLE NO. : 34728-34734
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	11-12/11/2022	12-13/11/2022	13-14/11/2022	UNIT
09:00 - 10:00 ^{1/3}	0.041	0.036	0.036	ppm
10:00 - 11:00	0.041	0.035	0.036	ppm
11:00 - 12:00	0.039	0.035	0.035	ppm
12:00 - 13:00	0.038	0.035	0.036	ppm
13:00 - 14:00	0.038	0.035	0.036	ppm
14:00 - 15:00	0.037	0.035	0.035	ppm
15:00 - 16:00	0.037	0.035	0.035	ppm
16:00 - 17:00	0.037	0.036	0.036	ppm
17:00 - 18:00	0.037	0.037	0.036	ppm
18:00 - 19:00	0.038	0.037	0.037	ppm
19:00 - 20:00	0.039	0.036	0.037	ppm
20:00 - 21:00	0.040	0.037	0.037	ppm
21:00 - 22:00	0.039	0.038	0.037	ppm
22:00 - 23:00	0.039	0.037	0.037	ppm
23:00 - 00:00	0.038	0.037	0.037	ppm
00:00 - 01:00	0.038	0.037	0.037	ppm
01:00 - 02:00	0.038	0.038	0.037	ppm
02:00 - 03:00	0.037	0.039	0.037	ppm
03:00 - 04:00	0.037	0.037	0.037	ppm
04:00 - 05:00	0.037	0.038	0.037	ppm
05:00 - 06:00	0.037	0.037	0.037	ppm
06:00 - 07:00	0.037	0.038	0.037	ppm
07:00 - 08:00	0.037	0.037	0.037	ppm
08:00 - 09:00	0.036	0.037	0.037	ppm
Maximum 1 hr.	0.041	0.039	0.037	ppm
Average 24 hr.	0.038	0.037	0.036	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 Chonankulchai)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3503 - R6511-3509

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* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 3220

SAMPLE NO. : 34728-34734
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	14-15/11/2022	15-16/11/2022	16-17/11/2022	UNIT
09:00 - 10:00 ^{/3}	0.037	0.037	0.037	ppm
10:00 - 11:00	0.037	0.036	0.037	ppm
11:00 - 12:00	0.044	0.036	0.037	ppm
12:00 - 13:00	0.041	0.037	0.037	ppm
13:00 - 14:00	0.036	0.037	0.038	ppm
14:00 - 15:00	0.037	0.037	0.038	ppm
15:00 - 16:00	0.037	0.036	0.038	ppm
16:00 - 17:00	0.040	0.038	0.039	ppm
17:00 - 18:00	0.038	0.037	0.039	ppm
18:00 - 19:00	0.038	0.038	0.040	ppm
19:00 - 20:00	0.039	0.038	0.041	ppm
20:00 - 21:00	0.038	0.038	0.042	ppm
21:00 - 22:00	0.038	0.038	0.041	ppm
22:00 - 23:00	0.039	0.038	0.041	ppm
23:00 - 00:00	0.040	0.039	0.041	ppm
00:00 - 01:00	0.039	0.040	0.041	ppm
01:00 - 02:00	0.039	0.040	0.041	ppm
02:00 - 03:00	0.038	0.039	0.041	ppm
03:00 - 04:00	0.039	0.038	0.040	ppm
04:00 - 05:00	0.038	0.040	0.040	ppm
05:00 - 06:00	0.038	0.039	0.041	ppm
06:00 - 07:00	0.038	0.040	0.041	ppm
07:00 - 08:00	0.038	0.040	0.040	ppm
08:00 - 09:00	0.038	0.038	0.039	ppm
Maximum 1 hr.	0.044	0.040	0.042	ppm
Average 24 hr.	0.038	0.038	0.040	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. Tummarut Photakulman)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3503 - R6511-3509

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 : API Model T100 S/N 3220

SAMPLE NO. : 34728-34734
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	17-18/11/2022	UNIT
09:00 - 10:00 ^{1/3}	0.038	ppm
10:00 - 11:00	0.037	ppm
11:00 - 12:00	0.038	ppm
12:00 - 13:00	0.037	ppm
13:00 - 14:00	0.037	ppm
14:00 - 15:00	0.038	ppm
15:00 - 16:00	0.038	ppm
16:00 - 17:00	0.038	ppm
17:00 - 18:00	0.039	ppm
18:00 - 19:00	0.040	ppm
19:00 - 20:00	0.040	ppm
20:00 - 21:00	0.041	ppm
21:00 - 22:00	0.041	ppm
22:00 - 23:00	0.041	ppm
23:00 - 00:00	0.041	ppm
00:00 - 01:00	0.041	ppm
01:00 - 02:00	0.040	ppm
02:00 - 03:00	0.040	ppm
03:00 - 04:00	0.039	ppm
04:00 - 05:00	0.040	ppm
05:00 - 06:00	0.040	ppm
06:00 - 07:00	0.040	ppm
07:00 - 08:00	0.041	ppm
08:00 - 09:00	0.041	ppm
Maximum 1 hr.	0.041	ppm
Average 24 hr.	0.039	ppm
Standard (1 hr.) ^{1/1}	0.30	ppm
Standard (Average 24 hr.) ^{1/2}	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. Tummarut Phoonkhun)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3475 - R6511-3481

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. : 34700-34706
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3475 - R6511-3481

TEST REPORT

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

SAMPLE NO. : 34700-34706
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	14-15/11/2022	15-16/11/2022	16-17/11/2022	UNIT
11:00 - 12:00 ^{/3}	0.008	0.008	0.006	ppm
12:00 - 13:00	0.007	0.009	0.005	ppm
13:00 - 14:00	0.008	0.007	0.004	ppm
14:00 - 15:00	0.007	0.008	0.004	ppm
15:00 - 16:00	0.007	0.008	0.005	ppm
16:00 - 17:00	0.007	0.008	0.004	ppm
17:00 - 18:00	0.008	0.007	0.003	ppm
18:00 - 19:00	0.004	0.007	0.005	ppm
19:00 - 20:00	0.008	0.007	0.004	ppm
20:00 - 21:00	0.008	0.006	0.005	ppm
21:00 - 22:00	0.008	0.007	0.005	ppm
22:00 - 23:00	0.008	0.006	0.005	ppm
23:00 - 00:00	0.007	0.006	0.005	ppm
00:00 - 01:00	0.008	0.005	0.004	ppm
01:00 - 02:00	0.007	0.005	0.006	ppm
02:00 - 03:00	0.008	0.007	0.005	ppm
03:00 - 04:00	0.008	0.004	0.005	ppm
04:00 - 05:00	0.008	0.005	0.006	ppm
05:00 - 06:00	0.008	0.005	0.006	ppm
06:00 - 07:00	0.008	0.004	0.006	ppm
07:00 - 08:00	0.007	0.005	0.006	ppm
08:00 - 09:00	0.008	0.005	0.004	ppm
09:00 - 10:00	0.008	0.005	0.004	ppm
10:00 - 11:00	0.008	0.006	0.005	ppm
Maximum 1 hr.	0.008	0.009	0.006	ppm
Average 24 hr.	0.007	0.006	0.005	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 on The Department of Industrial Works
(Measurement By Mr. Tummarut Poonanishun)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA65-R1193

Report No. R6511-3475 - R6511-3481

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. : 34700-34706
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	17-18/11/2022	UNIT
11:00 - 12:00 ^{/3}	0.005	ppm
12:00 - 13:00	0.005	ppm
13:00 - 14:00	0.005	ppm
14:00 - 15:00	0.005	ppm
15:00 - 16:00	0.005	ppm
16:00 - 17:00	0.004	ppm
17:00 - 18:00	0.005	ppm
18:00 - 19:00	0.006	ppm
19:00 - 20:00	0.006	ppm
20:00 - 21:00	0.006	ppm
21:00 - 22:00	0.005	ppm
22:00 - 23:00	0.006	ppm
23:00 - 00:00	0.006	ppm
00:00 - 01:00	0.006	ppm
01:00 - 02:00	0.006	ppm
02:00 - 03:00	0.006	ppm
03:00 - 04:00	0.006	ppm
04:00 - 05:00	0.007	ppm
05:00 - 06:00	0.006	ppm
06:00 - 07:00	0.008	ppm
07:00 - 08:00	0.008	ppm
08:00 - 09:00	0.008	ppm
09:00 - 10:00	0.008	ppm
10:00 - 11:00	0.007	ppm
Maximum 1 hr.	0.008	ppm
Average 24 hr.	0.006	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. Tummarut Pholankhumpi)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3496 - R6511-3502

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* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 7875

SAMPLE NO. : 34721-34727
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	11-12/11/2022	12-13/11/2022	13-14/11/2022	UNIT
10:00 - 11:00 ²	0.007	0.007	0.012	ppm
11:00 - 12:00	0.006	0.007	0.015	ppm
12:00 - 13:00	0.005	0.008	0.013	ppm
13:00 - 14:00	0.005	0.007	0.012	ppm
14:00 - 15:00	0.005	0.009	0.009	ppm
15:00 - 16:00	0.005	0.009	0.009	ppm
16:00 - 17:00	0.005	0.011	0.011	ppm
17:00 - 18:00	0.006	0.018	0.010	ppm
18:00 - 19:00	0.008	0.016	0.009	ppm
19:00 - 20:00	0.005	0.016	0.013	ppm
20:00 - 21:00	0.003	0.014	0.009	ppm
21:00 - 22:00	0.002	0.015	0.007	ppm
22:00 - 23:00	0.002	0.013	0.007	ppm
23:00 - 00:00	0.002	0.009	0.007	ppm
00:00 - 01:00	0.003	0.010	0.005	ppm
01:00 - 02:00	0.006	0.011	0.004	ppm
02:00 - 03:00	0.004	0.011	0.004	ppm
03:00 - 04:00	0.003	0.013	0.005	ppm
04:00 - 05:00	0.007	0.013	0.005	ppm
05:00 - 06:00	0.009	0.013	0.004	ppm
06:00 - 07:00	0.010	0.009	0.005	ppm
07:00 - 08:00	0.008	0.012	0.006	ppm
08:00 - 09:00	0.005	0.012	0.005	ppm
09:00 - 10:00	0.006	0.013	0.006	ppm
Maximum 1 hr.	0.010	0.018	0.015	ppm
Average 24 hr.	0.005	0.011	0.008	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. Tummaru Photakham)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3496 - R6511-3502

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* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 7875

SAMPLE NO. : 34721-34727
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	14-15/11/2022	15-16/11/2022	16-17/11/2022	UNIT
10:00 - 11:00 ^{1/2}	0.010	0.009	0.002	ppm
11:00 - 12:00	0.008	0.007	0.003	ppm
12:00 - 13:00	0.007	0.008	0.004	ppm
13:00 - 14:00	0.008	0.009	0.005	ppm
14:00 - 15:00	0.008	0.008	0.015	ppm
15:00 - 16:00	0.008	0.005	0.015	ppm
16:00 - 17:00	0.008	0.008	0.010	ppm
17:00 - 18:00	0.009	0.008	0.008	ppm
18:00 - 19:00	0.009	0.009	0.008	ppm
19:00 - 20:00	0.008	0.011	0.009	ppm
20:00 - 21:00	0.009	0.015	0.007	ppm
21:00 - 22:00	0.009	0.014	0.006	ppm
22:00 - 23:00	0.005	0.011	0.005	ppm
23:00 - 00:00	0.011	0.007	0.003	ppm
00:00 - 01:00	0.012	0.009	0.003	ppm
01:00 - 02:00	0.008	0.010	0.002	ppm
02:00 - 03:00	0.008	0.011	0.003	ppm
03:00 - 04:00	0.007	0.010	0.003	ppm
04:00 - 05:00	0.007	0.008	0.003	ppm
05:00 - 06:00	0.009	0.007	0.004	ppm
06:00 - 07:00	0.008	0.004	0.007	ppm
07:00 - 08:00	0.007	0.003	0.010	ppm
08:00 - 09:00	0.008	0.003	0.009	ppm
09:00 - 10:00	0.008	0.002	0.007	ppm
Maximum 1 hr.	0.012	0.015	0.015	ppm
Average 24 hr.	0.008	0.008	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)^{1/2} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhun)Approved By: 

(MS. THANATPORN KLINSOPON)

01/12/2022

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด
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Request No. LA65-R1193

Report No. R6511-3496 - R6511-3502

TEST REPORT

CUSTOMER : บริษัท อมตะซิตี้ ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซิตี้ ระยอง จำกัด
SAMPLE POINT : บ้านวังศาลหม่อน (A1)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 7875

SAMPLE NO. : 34721-34727
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	17-18/11/2022	UNIT
10:00 - 11:00 ^{1/2}	0.007	ppm
11:00 - 12:00	0.006	ppm
12:00 - 13:00	0.005	ppm
13:00 - 14:00	0.005	ppm
14:00 - 15:00	0.005	ppm
15:00 - 16:00	0.005	ppm
16:00 - 17:00	0.005	ppm
17:00 - 18:00	0.006	ppm
18:00 - 19:00	0.008	ppm
19:00 - 20:00	0.005	ppm
20:00 - 21:00	0.003	ppm
21:00 - 22:00	0.002	ppm
22:00 - 23:00	0.002	ppm
23:00 - 00:00	0.002	ppm
00:00 - 01:00	0.003	ppm
01:00 - 02:00	0.006	ppm
02:00 - 03:00	0.004	ppm
03:00 - 04:00	0.003	ppm
04:00 - 05:00	0.007	ppm
05:00 - 06:00	0.009	ppm
06:00 - 07:00	0.014	ppm
07:00 - 08:00	0.015	ppm
08:00 - 09:00	0.010	ppm
09:00 - 10:00	0.008	ppm
Maximum 1 hr.	0.015	ppm
Average 24 hr.	0.006	ppm
Standard (1 hr.) ^{1/1}	0.17	ppm

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

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

(Measurement By Mr. Tummarut Pholankhurn)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3510 - R6511-3516

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 : API Model T200 S/N 6757

SAMPLE NO. : 34735-34741
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	11-12/11/2022	12-13/11/2022	13-14/11/2022	UNIT
09:00 - 10:00 ¹²	0.007	0.007	0.008	ppm
10:00 - 11:00	0.007	0.007	0.008	ppm
11:00 - 12:00	0.007	0.007	0.008	ppm
12:00 - 13:00	0.007	0.007	0.008	ppm
13:00 - 14:00	0.007	0.006	0.008	ppm
14:00 - 15:00	0.007	0.006	0.008	ppm
15:00 - 16:00	0.007	0.006	0.008	ppm
16:00 - 17:00	0.007	0.006	0.008	ppm
17:00 - 18:00	0.007	0.007	0.008	ppm
18:00 - 19:00	0.007	0.007	0.008	ppm
19:00 - 20:00	0.008	0.007	0.007	ppm
20:00 - 21:00	0.007	0.007	0.007	ppm
21:00 - 22:00	0.007	0.008	0.007	ppm
22:00 - 23:00	0.007	0.008	0.007	ppm
23:00 - 00:00	0.007	0.008	0.007	ppm
00:00 - 01:00	0.007	0.009	0.007	ppm
01:00 - 02:00	0.007	0.009	0.007	ppm
02:00 - 03:00	0.007	0.009	0.007	ppm
03:00 - 04:00	0.007	0.009	0.007	ppm
04:00 - 05:00	0.007	0.008	0.007	ppm
05:00 - 06:00	0.007	0.008	0.007	ppm
06:00 - 07:00	0.007	0.008	0.007	ppm
07:00 - 08:00	0.007	0.008	0.007	ppm
08:00 - 09:00	0.007	0.008	0.007	ppm
Maximum 1 hr.	0.008	0.009	0.008	ppm
Average 24 hr.	0.007	0.007	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. Tummarut Photankhuma)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3510 - R6511-3516

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) SAMPLE NO. : 34735-34741
PARAMETER* : Nitrogen Dioxide SAMPLING DATE : 11-18/11/2022
DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 18/11/2022
INSTRUMENT : API Model T200 S/N 6757 REPORTED DATE : 01/12/2022

TIME / DATE	14-15/11/2022	15-16/11/2022	16-17/11/2022	UNIT
09:00 - 10:00 ¹²	0.007	0.006	0.006	ppm
10:00 - 11:00	0.007	0.006	0.006	ppm
11:00 - 12:00	0.007	0.006	0.006	ppm
12:00 - 13:00	0.007	0.006	0.006	ppm
13:00 - 14:00	0.007	0.006	0.006	ppm
14:00 - 15:00	0.007	0.006	0.006	ppm
15:00 - 16:00	0.007	0.006	0.006	ppm
16:00 - 17:00	0.007	0.006	0.006	ppm
17:00 - 18:00	0.007	0.006	0.007	ppm
18:00 - 19:00	0.007	0.006	0.007	ppm
19:00 - 20:00	0.007	0.006	0.007	ppm
20:00 - 21:00	0.007	0.006	0.007	ppm
21:00 - 22:00	0.007	0.006	0.007	ppm
22:00 - 23:00	0.007	0.006	0.007	ppm
23:00 - 00:00	0.007	0.006	0.007	ppm
00:00 - 01:00	0.007	0.006	0.007	ppm
01:00 - 02:00	0.007	0.006	0.007	ppm
02:00 - 03:00	0.007	0.006	0.007	ppm
03:00 - 04:00	0.007	0.006	0.007	ppm
04:00 - 05:00	0.007	0.006	0.007	ppm
05:00 - 06:00	0.007	0.006	0.007	ppm
06:00 - 07:00	0.007	0.006	0.006	ppm
07:00 - 08:00	0.007	0.006	0.006	ppm
08:00 - 09:00	0.006	0.006	0.006	ppm
Maximum 1 hr.	0.007	0.006	0.007	ppm
Average 24 hr.	0.007	0.006	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 Regulation of The Department of Industrial Works
(Measurement By Mr. Tummarat Photosakuln)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3510 - R6511-3516

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 : API Model T200 S/N 6757

SAMPLE NO. : 34735-34741
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	17-18/11/2022	UNIT
09:00 - 10:00 ^{/2}	0.006	ppm
10:00 - 11:00	0.006	ppm
11:00 - 12:00	0.006	ppm
12:00 - 13:00	0.006	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	0.006	ppm
17:00 - 18:00	0.006	ppm
18:00 - 19:00	0.006	ppm
19:00 - 20:00	0.006	ppm
20:00 - 21:00	0.006	ppm
21:00 - 22:00	0.006	ppm
22:00 - 23:00	0.006	ppm
23:00 - 00:00	0.006	ppm
00:00 - 01:00	0.006	ppm
01:00 - 02:00	0.006	ppm
02:00 - 03:00	0.006	ppm
03:00 - 04:00	0.006	ppm
04:00 - 05:00	0.006	ppm
05:00 - 06:00	0.006	ppm
06:00 - 07:00	0.006	ppm
07:00 - 08:00	0.006	ppm
08:00 - 09:00	0.006	ppm
Maximum 1 hr.	0.006	ppm
Average 24 hr.	0.006	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. Tunmaru Photankullern)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3482 - R6511-3488

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 6756

SAMPLE NO. : 34707-34713
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	11-12/11/2022	12-13/11/2022	13-14/11/2022	UNIT
11:00 - 12:00 ^{1/2}	0.021	0.017	0.006	ppm
12:00 - 13:00	0.026	0.016	0.005	ppm
13:00 - 14:00	0.025	0.017	0.006	ppm
14:00 - 15:00	0.022	0.015	0.006	ppm
15:00 - 16:00	0.023	0.008	0.012	ppm
16:00 - 17:00	0.023	0.010	0.011	ppm
17:00 - 18:00	0.022	0.009	0.013	ppm
18:00 - 19:00	0.023	0.022	0.016	ppm
19:00 - 20:00	0.019	0.020	0.010	ppm
20:00 - 21:00	0.019	0.019	0.005	ppm
21:00 - 22:00	0.018	0.021	0.008	ppm
22:00 - 23:00	0.018	0.018	0.008	ppm
23:00 - 00:00	0.017	0.017	0.009	ppm
00:00 - 01:00	0.015	0.018	0.007	ppm
01:00 - 02:00	0.017	0.017	0.008	ppm
02:00 - 03:00	0.021	0.011	0.008	ppm
03:00 - 04:00	0.015	0.013	0.007	ppm
04:00 - 05:00	0.012	0.012	0.007	ppm
05:00 - 06:00	0.022	0.009	0.007	ppm
06:00 - 07:00	0.020	0.007	0.006	ppm
07:00 - 08:00	0.021	0.010	0.006	ppm
08:00 - 09:00	0.021	0.008	0.008	ppm
09:00 - 10:00	0.019	0.009	0.011	ppm
10:00 - 11:00	0.018	0.007	0.009	ppm
Maximum 1 hr.	0.026	0.022	0.016	ppm
Average 24 hr.	0.020	0.014	0.008	ppm
Standard (1 hr.) ^{1/1}	0.17	0.17	0.17	ppm

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

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

01/12/2022

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Request No. LA65-R1193

Report No. R6511-3482 - R6511-3488

TEST REPORT

CUSTOMER : บริษัท อมตะซีที ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะซีที ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านกุไฮร (A3)
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6756

SAMPLE NO. : 34707-34713
SAMPLING DATE : 11-18/11/2022
RECEIVED DATE : 18/11/2022
REPORTED DATE : 01/12/2022

TIME / DATE	14-15/11/2022	15-16/11/2022	16-17/11/2022	UNIT
11:00 - 12:00 ²	0.008	0.004	0.016	ppm
12:00 - 13:00	0.005	0.004	0.011	ppm
13:00 - 14:00	0.004	0.005	0.012	ppm
14:00 - 15:00	0.011	0.005	0.011	ppm
15:00 - 16:00	0.006	0.006	0.009	ppm
16:00 - 17:00	0.003	0.007	0.009	ppm
17:00 - 18:00	0.006	0.008	0.006	ppm
18:00 - 19:00	0.004	0.009	0.006	ppm
19:00 - 20:00	0.005	0.009	0.004	ppm
20:00 - 21:00	0.005	0.009	0.007	ppm
21:00 - 22:00	0.004	0.009	0.005	ppm
22:00 - 23:00	0.005	0.007	0.006	ppm
23:00 - 00:00	0.005	0.008	0.007	ppm
00:00 - 01:00	0.004	0.007	0.011	ppm
01:00 - 02:00	0.003	0.005	0.009	ppm
02:00 - 03:00	0.002	0.005	0.008	ppm
03:00 - 04:00	0.005	0.007	0.010	ppm
04:00 - 05:00	0.007	0.007	0.007	ppm
05:00 - 06:00	0.009	0.007	0.008	ppm
06:00 - 07:00	0.007	0.007	0.008	ppm
07:00 - 08:00	0.007	0.011	0.010	ppm
08:00 - 09:00	0.008	0.010	0.009	ppm
09:00 - 10:00	0.008	0.005	0.008	ppm
10:00 - 11:00	0.004	0.013	0.009	ppm
Maximum 1 hr.	0.011	0.013	0.016	ppm
Average 24 hr.	0.006	0.007	0.009	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. Tummaru Photanicham)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

01/12/2022

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

COPY

Request No. LA65-R1193

Report No. R6511-3482 - R6511-3488

TEST REPORT

CUSTOMER : บริษัท อมตะชีวิต ระยอง จำกัด
ADDRESS : 7 หมู่ 3 ตำบลบ่อวิน อำเภอศรีราชา จังหวัดชลบุรี 20230
SAMPLE SOURCE : บริษัท อมตะชีวิต ระยอง จำกัด
SAMPLE POINT : โรงเรียนบ้านภูไทร (A3) SAMPLE NO. : 34707-34713
PARAMETER* : Nitrogen Dioxide SAMPLING DATE : 11-18/11/2022
DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 18/11/2022
INSTRUMENT : API Model T200 S/N 6756 REPORTED DATE : 01/12/2022

TIME / DATE	17-18/11/2022	UNIT
11:00 - 12:00 ^{1/2}	0.009	ppm
12:00 - 13:00	0.007	ppm
13:00 - 14:00	0.006	ppm
14:00 - 15:00	0.005	ppm
15:00 - 16:00	0.005	ppm
16:00 - 17:00	0.005	ppm
17:00 - 18:00	0.005	ppm
18:00 - 19:00	0.011	ppm
19:00 - 20:00	0.010	ppm
20:00 - 21:00	0.008	ppm
21:00 - 22:00	0.009	ppm
22:00 - 23:00	0.008	ppm
23:00 - 00:00	0.010	ppm
00:00 - 01:00	0.011	ppm
01:00 - 02:00	0.008	ppm
02:00 - 03:00	0.008	ppm
03:00 - 04:00	0.006	ppm
04:00 - 05:00	0.005	ppm
05:00 - 06:00	0.005	ppm
06:00 - 07:00	0.004	ppm
07:00 - 08:00	0.003	ppm
08:00 - 09:00	0.003	ppm
09:00 - 10:00	0.007	ppm
10:00 - 11:00	0.005	ppm
Maximum 1 hr.	0.011	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)^{1/2} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Phibankham)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

01/12/2022

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-R1193

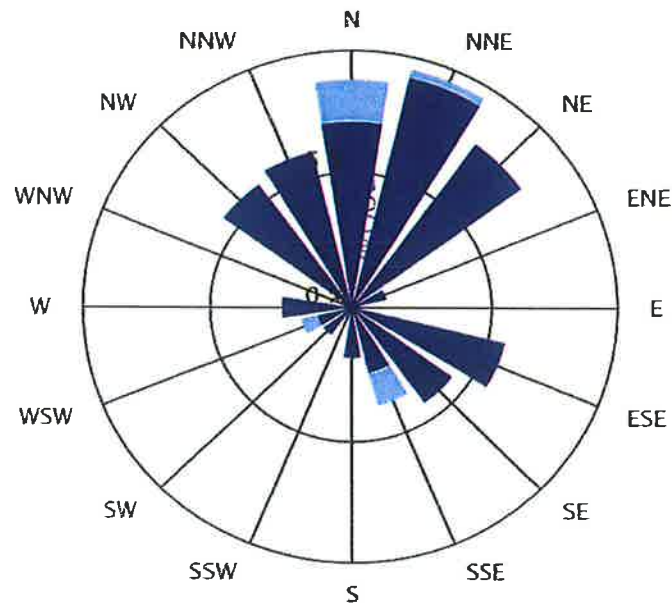
บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No, 34774

จุดตรวจวัด : บ้านวังตาลหม่อน (A1)

วันที่ตรวจวัด : 11-18 พฤศจิกายน 2565

Calm 40.9 %



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	6.9	1.6	0.0	0.0	0.0	0.0	8.5
NNE	8.8	0.3	0.0	0.0	0.0	0.0	9.1
NE	7.5	0.0	0.0	0.0	0.0	0.0	7.5
ENE	1.3	0.0	0.0	0.0	0.0	0.0	1.3
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	5.6	0.0	0.0	0.0	0.0	0.0	5.6
SE	4.4	0.0	0.0	0.0	0.0	0.0	4.4
SSE	2.5	1.3	0.0	0.0	0.0	0.0	3.8
S	1.9	0.0	0.0	0.0	0.0	0.0	1.9
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	1.3	0.0	0.0	0.0	0.0	0.0	1.3
WSW	1.3	0.6	0.0	0.0	0.0	0.0	1.9
W	2.5	0.0	0.0	0.0	0.0	0.0	2.5
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	5.6	0.0	0.0	0.0	0.0	0.0	5.6
NNW	5.9	0.0	0.0	0.0	0.0	0.0	5.9
Calm	40.9						

COPY



แผนผังทิศทางและความเร็วลม

Request No, LA65-R1193

บริษัท อมตะจิตต์ ระยอง จำกัด

Sample No, 34774

จุดตรวจวัด : บ้านวังตาลหม่อน (A1)

วันที่ตรวจวัด : 11-18 พฤศจิกายน 2565

เวลา	11-12 พฤศจิกายน 2565		12-13 พฤศจิกายน 2565		13-14 พฤศจิกายน 2565		14-15 พฤศจิกายน 2565		15-16 พฤศจิกายน 2565		16-17 พฤศจิกายน 2565		17-18 พฤศจิกายน 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	0.0	-	1.8	NE	1.3	NNE	1.3	ESE	1.3	ENE	0.0	-	0.9	S
11:00-12:00	0.0	-	1.8	NE	1.3	NNW	0.9	S	0.9	ESE	0.0	-	0.9	SE
12:00-13:00	0.4	NNW	0.9	N	1.3	NNE	0.9	W	0.9	SW	0.0	-	1.8	SE
13:00-14:00	2.7	N	0.9	NNW	0.9	NE	0.9	SSE	1.3	SSE	1.8	ESE	1.8	SE
14:00-15:00	2.2	N	1.3	W	1.3	NE	0.4	W	0.4	NW	1.8	ESE	1.8	SSE
15:00-16:00	2.2	N	1.3	W	1.3	NW	0.4	NW	0.0	-	1.8	ESE	1.3	SSE
16:00-17:00	2.2	NNE	0.9	NNW	0.0	-	0.4	SE	0.0	-	0.9	SE	0.9	SE
17:00-18:00	1.3	NE	0.4	NW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
18:00-19:00	1.3	NE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
19:00-20:00	0.9	NE	0.0	-	0.4	NNE	0.0	-	0.0	-	0.0	-	0.0	-
20:00-21:00	0.0	-	0.0	-	0.4	NW	0.0	-	0.0	-	0.4	NNW	0.0	-
21:00-22:00	0.0	-	0.0	-	1.3	N	0.0	-	0.0	-	2.2	WSW	0.0	-
22:00-23:00	0.0	-	0.0	-	0.9	N	0.0	-	0.0	-	2.2	SSE	0.0	-
23:00-00:00	0.0	-	0.0	-	1.3	N	0.0	-	0.0	-	1.8	SE	0.4	NNE
00:00-01:00	0.0	-	0.0	-	1.3	NNE	0.0	-	0.0	-	0.4	WSW	0.9	N
01:00-02:00	0.4	NE	0.0	-	0.9	NNE	0.0	-	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.9	NNE	0.4	N	0.4	NNW	0.0	-	0.0	-
03:00-04:00	0.9	NW	0.0	-	0.9	NNE	0.4	N	0.0	-	0.0	-	0.0	-
04:00-05:00	0.4	NW	0.0	-	0.9	N	0.0	-	0.0	-	0.0	-	0.0	-
05:00-06:00	0.4	NW	0.4	NNW	0.9	NNE	0.9	N	0.4	NNE	0.0	-	0.0	-
06:00-07:00	0.9	NNW	1.3	N	0.9	NE	0.9	NNE	0.4	NNW	0.4	NNE	0.0	-
07:00-08:00	1.8	N	1.8	NNE	0.9	ENE	0.9	NE	0.9	NE	0.4	NNW	0.0	-
08:00-09:00	2.2	N	1.3	NE	0.9	ESE	1.3	ESE	0.9	NE	0.4	WSW	0.9	S
09:00-10:00	1.8	NNE	1.8	NE	1.3	ESE	1.3	ESE	0.9	NW	0.9	SW	2.2	SSE

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R1193

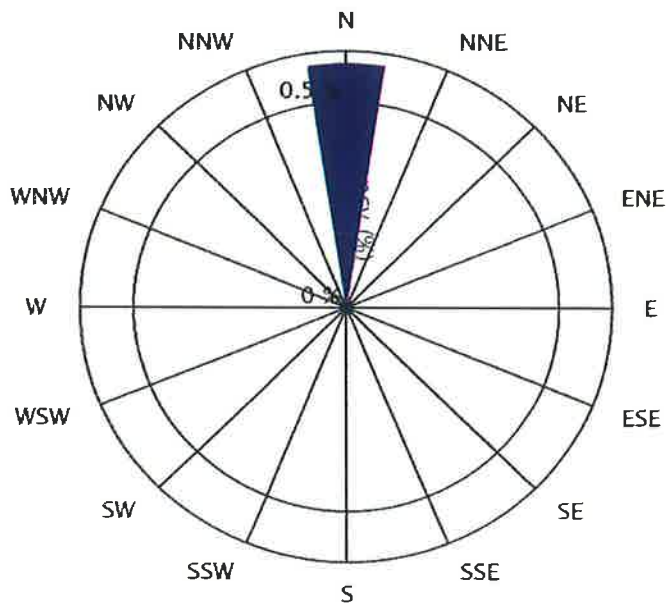
บริษัท อมตะซีดี ระยอง จำกัด

Sample No. 34775

จุดตรวจวัด : วัดราษฎร์อัสตาราม (A2)

วันที่ตรวจวัด : 11-18 พฤศจิกายน 2565

Calm 99.4 %



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	0.6	0.0	0.0	0.0	0.0	0.0	0.6
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	99.4						

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R1193

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 3-4775

จุดตรวจวัด : วัดราษฎร์อัสตาราม (A2)

วันที่ตรวจวัด : 11-18 พฤศจิกายน 2565

เวลา	11-12 พฤศจิกายน 2565		12-13 พฤศจิกายน 2565		13-14 พฤศจิกายน 2565		14-15 พฤศจิกายน 2565		15-16 พฤศจิกายน 2565		16-17 พฤศจิกายน 2565		17-18 พฤศจิกายน 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
09:00-10:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
10:00-11:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
11:00-12:00	0.4	N	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
12:00-13:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
13:00-14:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
14:00-15:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
15:00-16:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
16:00-17:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
17:00-18:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
18:00-19:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
19:00-20:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	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	-	0.0	-	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R1193

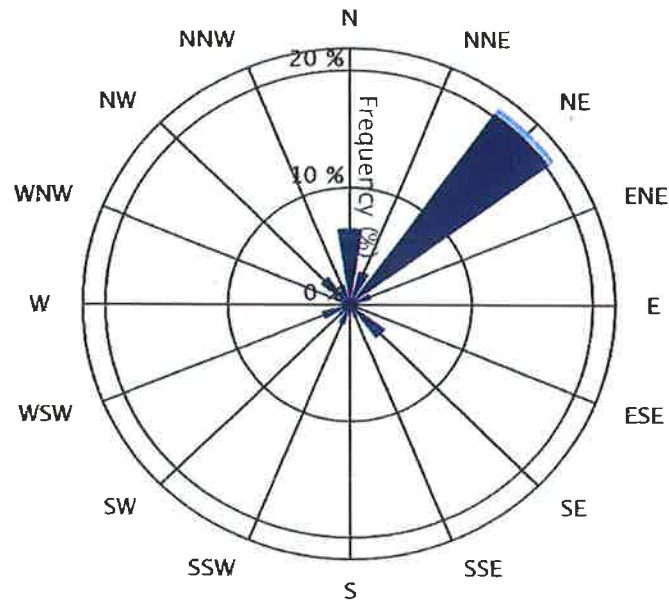
บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 34773

จุดตรวจวัด : โรงเรียนบ้านภูไทร (A3)

วันที่ตรวจวัด : 11-18 พฤศจิกายน 2565

Calm 50.6 %



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	6.6	0.0	0.0	0.0	0.0	0.0	6.6
NNE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
NE	20.2	0.6	0.0	0.0	0.0	0.0	20.8
ENE	1.8	0.0	0.0	0.0	0.0	0.0	1.8
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	3.6	0.0	0.0	0.0	0.0	0.0	3.6
SSE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
S	0.6	0.0	0.0	0.0	0.0	0.0	0.6
SSW	1.8	0.0	0.0	0.0	0.0	0.0	1.8
SW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
WSW	2.4	0.0	0.0	0.0	0.0	0.0	2.4
W	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WNW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
NW	3.0	0.0	0.0	0.0	0.0	0.0	3.0
NNW	1.8	0.0	0.0	0.0	0.0	0.0	1.8
Calm	50.6						

COPY

แผนผังทิศทางและความเร็วลม

Request No. LA65-R1193

บริษัท อมตะซิตี้ ระยอง จำกัด

Sample No. 3-4773

จุดตรวจวัด : โรงเรียนบ้านญี่ปุ่น (A3)

วันที่ตรวจวัด : 11-18 พฤศจิกายน 2565

เวลา	11-12 พฤศจิกายน 2565		12-13 พฤศจิกายน 2565		13-14 พฤศจิกายน 2565		14-15 พฤศจิกายน 2565		15-16 พฤศจิกายน 2565		16-17 พฤศจิกายน 2565		17-18 พฤศจิกายน 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	0.4	N	1.8	NE	1.3	NE	0.9	NE	0.9	NE	0.9	NE	0.4	NNE
12:00-13:00	2.2	NE	1.3	NE	1.3	NE	0.9	NE	0.9	NE	0.4	NE	0.4	ENE
13:00-14:00	1.8	NE	1.3	N	1.8	NE	1.3	SE	1.3	SE	1.3	N	0.9	SSE
14:00-15:00	1.8	NE	1.3	N	1.3	NE	0.9	SW	1.3	SE	1.3	SE	1.3	WSW
15:00-16:00	1.3	NE	0.9	SW	1.3	NE	0.4	W	1.3	SE	0.4	WSW	0.9	WSW
16:00-17:00	0.4	SE	0.4	WNW	1.3	N	1.3	NW	0.4	WSW	0.0	-	0.0	-
17:00-18:00	0.4	ENE	0.4	WNW	0.9	NW	0.9	NW	0.4	SSE	0.0	-	0.0	-
18:00-19:00	0.0	-	0.9	SSW	1.3	ENE	0.4	N	0.0	-	0.0	-	0.0	-
19:00-20:00	0.0	-	0.4	SSW	0.4	NW	0.4	SSW	0.0	-	0.0	-	0.0	-
20:00-21:00	0.0	-	1.3	NNW	0.4	N	0.9	S	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	-	0.4	N	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	0.4	NNW	0.0	-	0.4	NNE	0.0	-	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.4	NNE	0.0	-	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.4	NE	0.0	-	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.9	NE	0.0	-	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.4	NE	0.0	-	0.0	-	0.0	-	0.0	-
05:00-06:00	0.4	N	0.0	-	0.4	NE	0.0	-	0.0	-	0.0	-	0.0	-
06:00-07:00	0.4	N	0.0	-	0.9	NE	0.0	-	0.0	-	0.0	-	0.0	-
07:00-08:00	0.4	NW	0.0	-	0.4	NNE	0.0	-	0.0	-	0.0	-	0.0	-
08:00-09:00	0.4	N	0.4	NE	0.9	NE	0.0	-	0.0	-	0.0	-	0.0	-
09:00-10:00	1.3	NNE	0.4	NE	0.9	NE	0.4	NE	0.4	NE	0.4	NE	0.0	-
10:00-11:00	1.8	NE	1.3	NE	0.9	NE	0.9	NE	0.4	NE	0.9	NE	0.4	NNW

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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 : 21/06/2022 - 29/06/2022

Sample No : W 65061835
Sampling Date : 20/06/2022**
Sampling Time : 9:40 AM**
Received Date : 21/06/2022
Reported Date : 02/07/2022

Request No : W6506512
Report No : 6506-2254

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	34.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	101	≤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)	1,324	≤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)	32	≤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 (J-003-ก-5637)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (จ.ระยอง)

Examined By :

(Miss Apiradee Chuen-arom)
(J-003-ก-4377)
02/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(J-003-ก-2205)
02/07/2022

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 1 ##
Sample Name : Equalization Tank
Sampling By : ETC
Sampling Method : Grab
Tested Date : 21/06/2022 - 29/06/2022

Request No : W6506512
Report No : 6506-2254
Sample No : W 65061835
Sampling Date : 20/06/2022
Sampling Time : 9:40 AM
Received Date : 21/06/2022
Reported Date : 02/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	460	-

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. Supharek Phatklang (1-003-1-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Examined By : 
(Miss Apiradee Chuen-arom)
02/07/2022

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Test Report

Request No : W6506640

Report No : 6507-0607

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65062269

Sample Name : Equalization Tank**

Sampling Date : 27/06/2022**

Sampling By : ETC**

Sampling Time : 11:30 AM**

Sampling Method : Grab**

Received Date : 28/06/2022

Tested Date : 28/06/2022 - 05/07/2022

Reported Date : 07/07/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	25.5	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	194	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	704	≤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)	69	≤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. Nitchaphon Tonglor (2-003-จ-5638)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(2-003-จ-4377)

07/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(2-003-จ-2205)

07/07/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6506640

Report No : 6507-0607

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65062269

Sample Name : Equalization Tank

Sampling Date : 27/06/2022

Sampling By : ETC

Sampling Time : 11:30 AM

Sampling Method : Grab

Received Date : 28/06/2022

Tested Date : 28/06/2022 - 05/07/2022

Reported Date : 07/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	190	-

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. Nitchaphon Tonglor (7-003-0-5638)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

07/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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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 : 05/07/2022 - 01/08/2022

Sample No : W 65070388, W 65090575

Sampling Date : 04/07/2022, 05/09/2022**

Sampling Time : 9:40 AM, 9:00 AM**

Received Date : 05/07/2022, 06/09/2022

Reported Date : 13/09/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0065	≤0.25
Barium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.9	≤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)	134	≤750

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

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

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

2./2 Sample No. W65090575 : Sampling Date 05/09/2022 (9:00 AM) : Tested Date 06/09/2022 - 10/09/2022

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

Examined By : 
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)
13/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
13/09/2022

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 1 ##

Sample Name : Equalization Tank **

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 05/07/2022 - 01/08/2022

Sample No : W 65070388, W 65090575

Sampling Date : 04/07/2022, 05/09/2022**

Sampling Time : 9:40 AM, 9:00 AM**

Received Date : 05/07/2022, 06/09/2022

Reported Date : 13/09/2022

Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	23	≤600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	22	≤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./2 Sample No. W65090575 : Sampling Date 05/09/2022 (9:00 AM) : Tested Date 06/09/2022 - 10/09/2022

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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
13/09/2022

SUPPLEMENT TO TEST NO. 6508-0178



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
13/09/2022

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Test Report

Request No : W6507092, W 6509130

Report No : 6508-0178-1, 6509-0887

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65070388, W 65090575

Sample Name : Equalization Tank **

Sampling Date : 04/07/2022, 05/09/2022**

Sampling By : ETC**

Sampling Time : 9:40 AM, 9:00 AM**

Sampling Method : Grab**

Received Date : 05/07/2022, 06/09/2022

Tested Date : 05/07/2022 - 01/08/2022

Reported Date : 13/09/2022

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)	0.08	≤ 5
Mercury #	mg/l	Cold-Vapor AAS 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)	3.2	≤ 10
pH (on site) *		Electrometric Method	7.4	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. /2 Sample No. W65090575 : Sampling Date 05/09/2022 (9:00 AM) : Tested Date 06/09/2022 - 10/09/2022

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.

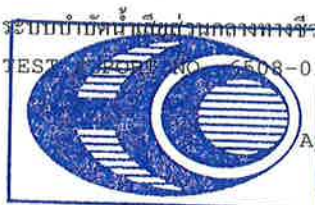
4. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

6. ** = These data are non laboratory data. ## ระบบบำบัดน้ำเสียส่วนกลางทางโรงงานแห่งที่ 1 (AS Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
13/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
13/09/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507092, W 6509130
Report No : 6508-0178-1, 6509-0887
Sample No : W 65070388, W 65090575
Sampling Date : 04/07/2022, 05/09/2022**
Sampling Time : 9:40 AM, 9:00 AM**
Received Date : 05/07/2022, 06/09/2022
Reported Date : 13/09/2022

Parameter	Unit	Method	Result	Standard ¹
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.050	≤1
Selenium *	mg/l	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0050	≤0.02
Sulfide */2	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	0.62	≤1
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	976	≤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)	63	≤200

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

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

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

2./2 Sample No. W65090575 : Sampling Date 05/09/2022 (9:00 AM) : Tested Date 06/09/2022 - 10/09/2022


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-ท-5637)*

6. ** = These data are non laboratory data. ## ระบบบำบัดน้ำเสียส่วนกลางทางจังหวัดภูเก็ต แห่งที่ 1 (AS Plant) **

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
13/09/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
13/09/2022

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 : 05/07/2022 - 01/08/2022

Sample No : W 65070388, W 65090575

Sampling Date : 04/07/2022, 05/09/2022**

Sampling Time : 9:40 AM, 9:00 AM**

Received Date : 05/07/2022, 06/09/2022

Reported Date : 13/09/2022

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)	0.94	≤ 5

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

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

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

2. /2 Sample No. W65090575 : Sampling Date 05/09/2022 (9:00 AM) : Tested Date 06/09/2022 - 10/09/2022

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. /## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 1 (AS Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
13/09/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
13/09/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507092
Report No : 6508 -0178
Sample No : W 65070388
Sampling Date : 04/07/2022**
Sampling Time : 9:40 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	306	
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)	0.94	≤5
Iron @	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.94	≤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. Supharerk Phatklang (๖-003-๖-5637)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant) **
6. Parameter Outside The Scope of The Registration of Department of Industrial Works



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)
03/08/2022

Request No. W6507092

Report No. 6508-0178


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 : 05/07/2022 – 01/08/2022
Sample No. : W 65070388
Sampling Date : 04/07/2022
Sampling Time : 9:40 AM
Received Date : 05/07/2022
Reported Date : 03/08/2022

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. Supharerk Phatklang (ว-003-จ-5637)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
03/08/2022

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 : 12/07/2022 - 26/07/2022

Sample No : W 65071267

Sampling Date : 11/07/2022**

Sampling Time : 10:20 AM**

Received Date : 12/07/2022

Reported Date : 29/07/2022

Request No : W6507304

Report No : 6507-2044

Parameter	Unit	Method	Result	Standard ¹⁾
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	44.6	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	202	≤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	33	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	936	≤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)	65	≤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 Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
29/07/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
29/07/2022

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 : 12/07/2022 - 26/07/2022

Request No : W6507304
Report No : 6507-2044
Sample No : W 65071267
Sampling Date : 11/07/2022
Sampling Time : 10:20 AM
Received Date : 12/07/2022
Reported Date : 29/07/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	312	-

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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
29/07/2022

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

Request No : W6507414

Report No : 6508-0076

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65071557

Sample Name : Equalization Tank**

Sampling Date : 18/07/2022**

Sampling By : ETC**

Sampling Time : 9:45 AM**

Sampling Method : Grab**

Received Date : 19/07/2022

Tested Date : 19/07/2022 - 27/07/2022

Reported Date : 02/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	25.4	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	129	≤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	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	956	≤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 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 Phiwan (ว-003-ก-7279)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (Air Farm)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

02/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

02/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507414

Report No : 6508-0076

Customer : Amata City Rayong Co.,Ltd.
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##
Sample Name : Equalization Tank
Sampling By : ETC
Sampling Method : Grab
Tested Date : 19/07/2022 - 27/07/2022

Sample No : W 65071557
Sampling Date : 18/07/2022
Sampling Time : 9:45 AM
Received Date : 19/07/2022
Reported Date : 02/08/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	255	-

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 Phiwan (ว-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
02/08/2022

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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 : 26/07/2022 - 03/08/2022

Sample No : W 65071940

Sampling Date : 25/07/2022**

Sampling Time : 10:25 AM**

Received Date : 26/07/2022

Reported Date : 08/08/2022

Request No : W6507544

Report No : 6508-0500

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	63.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	175	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤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)	742	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	29	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	77	≤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 Pompinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลาง พิจิตร

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

08/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

08/08/2022



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 : 26/07/2022 - 03/08/2022

Request No : W6507544

Report No : 6508-0500

Sample No : W 65071940

Sampling Date : 25/07/2022

Sampling Time : 10:25 AM

Received Date : 26/07/2022

Reported Date : 08/08/2022

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

08/08/2022

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 : W6508026

Report No : 6508-1105

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65080118

Sample Name : Equalization Tank**

Sampling Date : 01/08/2022**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 02/08/2022

Tested Date : 02/08/2022 - 10/08/2022

Reported Date : 17/08/2022

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	28.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	118	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	996	≤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 [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 Jiraporn Pankong 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 Jiraporn Pankong)
(จ-003-ค-4445)
17/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
17/08/2022

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Test Report

Request No : W6508026

Report No : 6508-1105

Customer : Amata City Rayong Co., Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65080118

Sample Name : Equalization Tank

Sampling Date : 01/08/2022

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab**

Received Date : 02/08/2022

Tested Date : 02/08/2022 - 10/08/2022

Reported Date : 17/08/2022

Parameter	Unit	Method	Result	Standard/l
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 [2 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. 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



Examined By :

(Miss Jiraporn Pankong)

17/08/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Test Report

Request No : W6508213

Report No : 6508-1543

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65080848

Sample Name : Equalization Tank**

Sampling Date : 08/08/2022**

Sampling By : ETC**

Sampling Time : 9:15 AM**

Sampling Method : Grab**

Received Date : 09/08/2022

Tested Date : 09/08/2022 - 20/08/2022

Reported Date : 22/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	41.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	154	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.1	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,028	≤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)	54	≤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 Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

22/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

22/08/2022

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Test Report

Request No : W6508213

Report No : 6508-1543

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65080848

Sample Name : Equalization Tank

Sampling Date : 08/08/2022

Sampling By : ETC

Sampling Time : 9:15 AM

Sampling Method : Grab

Received Date : 09/08/2022

Tested Date : 09/08/2022 - 20/08/2022

Reported Date : 22/08/2022

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	275	-

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)

22/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508342, W 6509131

Report No : 6509-1198-1, 6509-1200

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65081330, W 65090576

Sample Name : Equalization Tank**

Sampling Date : 15/08/2022, 05/09/2022**

Sampling By : ETC**

Sampling Time : 8:55 AM, 9:00 AM**

Sampling Method : Grab**

Received Date : 16/08/2022, 06/09/2022

Tested Date : 16/08/2022 - 26/08/2022

Reported Date : 19/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	29.9	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	207	≤750
Oil and Grease @/2	mg/l	Partition-Gravimetric Method (SM:5520B)	7.9	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	892	≤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)	71	≤200

Physical Apperance : 1. Sample : brown, lightly SS

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

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

2. /2 Sample No. W65090576 : Sampling Date 05/09/2022 (9:00 AM) : Tested Date 06/09/2022 - 15/09/2022

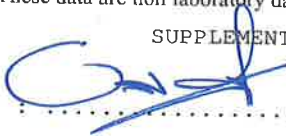
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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.

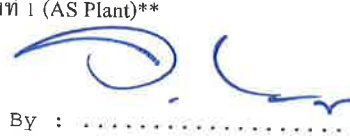
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Metee Sukprasert (จ-003-จ-8333)*

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

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/09/2022

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

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Test Report

Request No : W6508342

Report No : 6509-1198

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65081330

Sample Name : Equalization Tank

Sampling Date : 15/08/2022

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 16/08/2022

Tested Date : 16/08/2022 - 26/08/2022

Reported Date : 19/09/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	232	-

Physical Apperance : 1. Sample : brown, lightly SS

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

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

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

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

4. Sampling By Mr. Metee Sukprasert (ว-003-จ-8333)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

19/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508484, W 6510044

Report No : 6509-0208-1, 6510-0785

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65081723, W 65100246

Sample Name : Equalization Tank**

Sampling Date : 22/08/2022, 03/10/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM, 9:25 AM**

Sampling Method : Grab**

Received Date : 23/08/2022, 04/10/2022

Tested Date : 23/08/2022 - 01/09/2022

Reported Date : 12/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	81.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	228	≤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	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	772	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	31	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	81	≤200

Physical Apperance : 1. Sample : brown, lightly SS

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

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

2. /2 Sample No. W65100246 : Sampling Date 03/10/2022 (9:25 AM) : Tested Date 04/10/2022 - 11/10/2022

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

12/10/2022

SUPPLEMENT TO TEST REPORT NO. 6509-0208



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

12/10/2022

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Test Report

Request No : W6508484

Report No : 6509- 0208

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65081723

Sample Name : Equalization Tank

Sampling Date : 22/08/2022

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 23/08/2022

Tested Date : 23/08/2022 - 01/09/2022

Reported Date : 03/09/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	174	

Physical Apperance : 1. Sample : brown, lightly SS

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

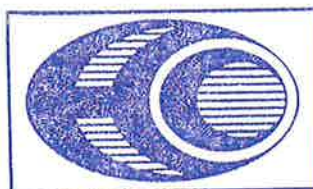
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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

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

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

03/09/2022

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Test Report

Request No : W6509132, W 6509559

Report No : 6510-0335-1, 6510-0316

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65090577, W 65092059

Sample Name : Equalization Tank**

Sampling Date : 05/09/2022, 26/09/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM, 10:22 AM**

Sampling Method : Grab**

Received Date : 06/09/2022, 27/09/2022

Tested Date : 06/09/2022 - 15/09/2022

Reported Date : 06/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	30.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	141	≤750
Oil and Grease @/2	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	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	856	≤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)	26	≤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. /2 Sample No. W65092059 : Sampling Date 26/09/2022 (10:22 AM) : Tested Date 27/09/2022 - 04/10/2022

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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

06/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

06/10/2022

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Test Report

Request No : W6509132

Report No : 6510-0335

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65090577

Sample Name : Equalization Tank

Sampling Date : 05/09/2022

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 06/09/2022

Tested Date : 06/09/2022 - 15/09/2022

Reported Date : 06/10/2022

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]

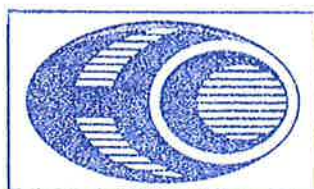
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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

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

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

06/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509310, W 6510045
Report No : 6510-0786-1, 6510-0788

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65091311, W 65100247

Sample Name : Equalization Tank**

Sampling Date : 12/09/2022, 03/10/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM, 9:25 AM**

Sampling Method : Grab**

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 23/09/2022

Reported Date : 12/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	34.2	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	166	≤750
Oil and Grease @/2	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	772	≤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)	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./2 Sample No. W65100247 : Sampling Date 03/10/2022 (9:25 AM) : Tested Date 04/10/2022 - 11/10/2022

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 1 (AS Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
12/10/2022

SUPPLEMENT TO TEST REPORT NO. 6510-0786



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
12/10/2022

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

Test Report

Request No : W6509310

Report No : 6510-0786-I

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65091311

Sample Name : Equalization Tank

Sampling Date : 12/09/2022

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 23/09/2022

Reported Date : 12/10/2022

Parameter	Unit	Method	Result	Standard/I
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	232	-

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]

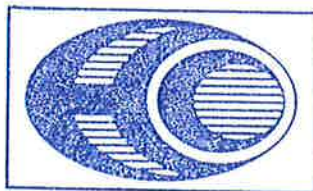
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Phiwan (ว-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

12/10/2022

Test Report

Request No : W6509443, W6510269
Report No : 6510-1650-1, 6510-1652

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 : 21/09/2022 - 28/09/2022

Sample No : W 65091679, W 65101094

Sampling Date : 19/09/2022, 10/10/2022**

Sampling Time : 9:45 AM, 10:15 AM**

Received Date : 20/09/2022, 11/10/2022

Reported Date : 26/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	131	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	362	≤750
Oil and Grease @/2	mg/l	Partition-Gravimetric Method (SM:5520B)	6.3	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,052	≤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)	101	≤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. W65101094 : Sampling Date 10/10/2022 (10:15 AM) : Tested Date 11/10/2022 - 21/10/2022

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. Weerachai Porjai (จ-003-จ-8896)*

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/10/2022

SUPPLEMENT TO TEST REPORT NO. 6510-1650



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/10/2022

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

Test Report

Request No : W6509443

Report No : 6510-1650

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 : 21/09/2022 - 28/09/2022

Sample No : W 65091679

Sampling Date : 19/09/2022

Sampling Time : 9:45 AM

Received Date : 20/09/2022

Reported Date : 26/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	275	-

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]

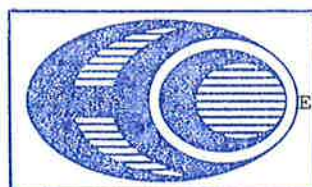
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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. Weerachai Porjai (3-003-3-8896)

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



Examined By :

(Miss Apiradee Chuen-arom)

26/10/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509558

Report No : 6510-0235

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65092057

Sample Name : Equalization Tank**

Sampling Date : 26/09/2022**

Sampling By : ETC**

Sampling Time : 10:22 AM**

Sampling Method : Grab**

Received Date : 27/09/2022

Tested Date : 27/09/2022 - 01/10/2022

Reported Date : 05/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	46.4	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	204	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.3	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	780	≤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)	103	≤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,

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.

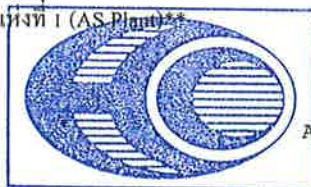
4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
05/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
05/10/2022

Test Report

Request No : W6509558

Report No : 6510-0235

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65092057

Sample Name : Equalization Tank

Sampling Date : 26/09/2022

Sampling By : ETC

Sampling Time : 10:22 AM

Sampling Method : Grab

Received Date : 27/09/2022

Tested Date : 27/09/2022 - 01/10/2022

Reported Date : 05/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	198	-

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]

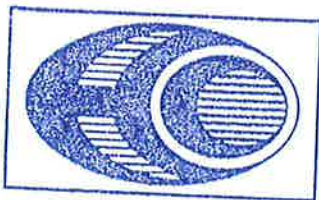
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด



Examined By :
(Miss Apiradee Chuen-arom)
05/10/2022

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 : 04/10/2022 - 12/10/2022

Request No : W6510046
Report No : 6510-0893
Sample No : W 65100248
Sampling Date : 03/10/2022**
Sampling Time : 9:25 AM**
Received Date : 04/10/2022
Reported Date : 15/10/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0023	≤0.25
Barium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	32.3	≤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)	90	≤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 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 (AS Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

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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 1 ##
Sample Name : Equalization Tank**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 04/10/2022 - 12/10/2022

Request No : W6510046
Report No : 6510-0893
Sample No : W 65100248
Sampling Date : 03/10/2022**
Sampling Time : 9:25 AM**
Received Date : 04/10/2022
Reported Date : 15/10/2022

Parameter	Unit	Method	Result	Standard ¹
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	31	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	31	≤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. Songpon Phiwan (จ-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

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Test Report

Request No : W6510046

Report No : 6510-0893

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65100248

Sample Name : Equalization Tank**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 9:25 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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)	0.10	≤ 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 : 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. Songpon Phiwuan (จ-003-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510046

Report No : 6510-0893

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65100248

Sample Name : Equalization Tank**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 9:25 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

Parameter	Unit	Method	Result	Standard ¹
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.063	≤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 -S ₂ - F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	828	≤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)	40	≤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. /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 (AS Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

15/10/2022

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

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Test Report

Request No : W6510046

Report No : 6510-0893

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65100248

Sample Name : Equalization Tank**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 9:25 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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)	0.47	≤ 5

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

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

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

2. @ = 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 Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510046

Report No : 6510-0893

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65100248

Sample Name : Equalization Tank**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 9:25 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	218	-
Chlorine (Residual) *	mg/l as Cl ₂	DPD Colorimetric Method (SM:4500 -Cl G)	0.7	≤1
Fluoride *	mg/l	Ion-Selective Electrode Method (SM:4500 -F- C)	0.62	≤5
Iron @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	1.27	≤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 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. 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. Songpon Phiwan (ว-003-ค-7279)*

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)
15/10/2022

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

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Request No. W6510046

Report No. 6510-0893

TEST REPORT

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample Name : Equalization Tank

Sampling By : ETC

Sampling Method : Grab

Tested Date : 04/10/2022 – 12/10/2022

Sample No. : W 65100248

Sampling Date : 03/10/2022

Sampling Time : 9:25 AM

Received Date : 04/10/2022

Reported Date : 15/10/2022

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. Songpon Phiwuan (ว-003-ค-7279)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By



(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(Mr. Kawee Suthasub)

(ว-003-ค-2205)

15/10/2022

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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Test Report

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample Name : Equalization Tank**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 12/10/2022 - 21/10/2022

Sample No : W 65101095

Sampling Date : 10/10/2022**

Sampling Time : 10:15 AM**

Received Date : 11/10/2022

Reported Date : 26/10/2022

Request No : W6510270

Report No : 6510-1643

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	23.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	127	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	6.3	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	884	≤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)	60	≤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. Supharek Phatklang (จ-003-จ-5637)*

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

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

Examined By : 
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

26/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

26/10/2022

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 : 12/10/2022 - 21/10/2022

Request No : W6510270
Report No : 6510- 1643
Sample No : W 65101095
Sampling Date : 10/10/2022
Sampling Time : 10:15 AM
Received Date : 11/10/2022
Reported Date : 26/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	172	-

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 (๖-003-๖-5637)
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 
(Miss Apiradee Chuen-arom)
26/10/2022

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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 : 18/10/2022 - 26/10/2022

Request No : W6510417
Report No : 6510-1801
Sample No : W 65101494
Sampling Date : 17/10/2022**
Sampling Time : 10:30 AM**
Received Date : 18/10/2022
Reported Date : 28/10/2022


Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	74	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.2	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	948	≤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)	54	≤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 (ว-003-ค-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
28/10/2022



Approved By : 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
28/10/2022

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Test Report

Request No : W6510417

Report No : 6510-1801

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65101494

Sample Name : Equalization Tank

Sampling Date : 17/10/2022

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab**

Received Date : 18/10/2022

Tested Date : 18/10/2022 - 26/10/2022

Reported Date : 28/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	214	-

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 (1-003-ค-7280)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

28/10/2022

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 : 27/10/2022 - 03/11/2022

Request No : W6510571
Report No : 6511-0585
Sample No : W 65102008
Sampling Date : 26/10/2022**
Sampling Time : 10:15 AM**
Received Date : 27/10/2022
Reported Date : 08/11/2022


Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	41.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	143	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤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)	24	≤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. /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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
08/11/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
08/11/2022

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Test Report

Request No : W6510571

Report No : 6511-0585

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65102008

Sample Name : Equalization Tank

Sampling Date : 26/10/2022

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab**

Received Date : 27/10/2022

Tested Date : 27/10/2022 - 03/11/2022

Reported Date : 08/11/2022

Parameter	Unit	Method	Result	Standard/1
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	254	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

08/11/2022

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 1 ##
Sample Name : Equalization Tank**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 08/11/2022 - 16/11/2022

Request No : W6511200
Report No : 6511-1379
Sample No : W 65110829
Sampling Date : 07/11/2022**
Sampling Time : 8:50 AM**
Received Date : 08/11/2022
Reported Date : 18/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.5	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	90	≤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	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,012	≤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)	93	≤200

Physical Appearance : 1. Sample : yellowish, turbid

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

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

2. @ = ISO/IEC 17025:2017 Accredited by 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 Pompinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 1 (AS Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
18/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
18/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511200

Report No : 6511-1379

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65110829

Sample Name : Equalization Tank

Sampling Date : 07/11/2022

Sampling By : ETC

Sampling Time : 8:50 AM

Sampling Method : Grab

Received Date : 08/11/2022

Tested Date : 08/11/2022 - 16/11/2022

Reported Date : 18/11/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	271	-

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

18/11/2022

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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 1 ##
Sample Name : Equalization Tank**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 15/11/2022 - 19/11/2022

Request No : W6511356
Report No : 6511-1766
Sample No : W 65111267
Sampling Date : 14/11/2022**
Sampling Time : 10:30 AM**
Received Date : 15/11/2022
Reported Date : 23/11/2022


Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	57.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	209	≤150
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.1	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	848	≤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)	68	≤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-ก-7279)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 1 (AS Plant)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
23/11/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
23/11/2022

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Test Report

Request No : W6511356

Report No : 6511-1766

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 : 15/11/2022 - 19/11/2022

Sample No : W 65111267

Sampling Date : 14/11/2022

Sampling Time : 10:30 AM

Received Date : 15/11/2022

Reported Date : 23/11/2022

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

Physical Apperance : 1. Sample : yellow, 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. 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)

23/11/2022

Test Report

Request No : W6511497

Report No : 6511-2100

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65111666

Sample Name : Equalization Tank**

Sampling Date : 21/11/2022**

Sampling By : ETC**

Sampling Time : 9:05 AM**

Sampling Method : Grab**

Received Date : 22/11/2022

Tested Date : 22/11/2022 - 26/11/2022

Reported Date : 29/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	24.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	159	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,300	≤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. @ = 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 (จ-003-ค-4377)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

29/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

29/11/2022

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 : 22/11/2022 - 26/11/2022

Request No : W6511497

Report No : 6511-2100

Sample No : W 65111666

Sampling Date : 21/11/2022

Sampling Time : 9:05 AM

Received Date : 22/11/2022

Reported Date : 29/11/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	358	-

Physical Apperance : 1. Sample : yellow, turbid

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

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

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

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

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)
29/11/2022

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Test Report

Request No : W6511602

Report No : 6512-0247

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65112010

Sample Name : Equalization Tank**

Sampling Date : 28/11/2022**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 29/11/2022

Tested Date : 29/11/2022 - 05/12/2022

Reported Date : 07/12/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	26.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	115	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	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)	948	≤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)	53	≤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 Miss Pornpinan Viriyakusolkul (จ-003-ท-8334)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

07/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

07/12/2022

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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 1 ##
Sample Name : Equalization Tank
Sampling By : ETC
Sampling Method : Grab
Tested Date : 29/11/2022 - 05/12/2022

Request No : W6511602
Report No : 6512-0247

Sample No : W 65112010
Sampling Date : 28/11/2022
Sampling Time : 10:20 AM
Received Date : 29/11/2022
Reported Date : 07/12/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	264	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

07/12/2022

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Test Report

Request No : W6512120

Report No : 6512-1097

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65120554

Sample Name : Equalization Tank**

Sampling Date : 05/12/2022**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 06/12/2022

Tested Date : 06/12/2022 - 13/12/2022

Reported Date : 19/12/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	44.4	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	166	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.2	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/l	Dried at 180 °C (SM:2540C)	1,364	≤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)	103	≤200

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L, PE 1.0 L ,E 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 (ว-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By : 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)
19/12/2022



Approved By : 

(Mr. Kawee Suthasub)
(ว-003-ค-2205)
19/12/2022

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Test Report

Request No : W6512120

Report No : 6512-1097

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65120554

Sample Name : Equalization Tank

Sampling Date : 05/12/2022

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 06/12/2022

Tested Date : 06/12/2022 - 13/12/2022

Reported Date : 19/12/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	295	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L, PE 1.0 L, E 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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

19/12/2022

Test Report

Request No : W6512319

Report No : 6512 - 1468

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 : 13/12/2022 - 20/12/2022

Sample No : W 65121185
Sampling Date : 12/12/2022**
Sampling Time : 9:50 AM**
Received Date : 13/12/2022
Reported Date : 22/12/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	86.3	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	277	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	6.9	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	996	≤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)	114	≤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 (ว-003-จ-5637)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
22/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(ว-003-ค-2205)
22/12/2022

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Test Report

Request No : W6512319

Report No : 6512-1468

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 1 ##

Sample No : W 65121185

Sample Name : Equalization Tank

Sampling Date : 12/12/2022

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 13/12/2022

Tested Date : 13/12/2022 - 20/12/2022

Reported Date : 22/12/2022

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

Physical Apperance : 1. Sample : yellow, 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 (1-003-0-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 1 (AS Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/12/2022

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 : 21/06/2022 - 29/06/2022

Sample No : W 65061837
Sampling Date : 20/06/2022**
Sampling Time : 10:55 AM**
Received Date : 21/06/2022
Reported Date : 02/07/2022

Request No : W6506513
Report No : 6506-2256

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)	114	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	38	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	988	≤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)	33	≤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,

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 Managment.

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

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Kroffa Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-จ-4377)

02/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-จ-2205)

02/07/2022

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

Test Report

Request No : W6506513

Report No : 6506-2256

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65061837

Sample Name : Influent

Sampling Date : 20/06/2022

Sampling By : ETC

Sampling Time : 10:55 AM

Sampling Method : Grab

Received Date : 21/06/2022

Tested Date : 21/06/2022 - 29/06/2022

Reported Date : 02/07/2022

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

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 (0-003-0-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofia Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6506641

Report No : 6507-0589

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65062271

Sample Name : Influent**

Sampling Date : 27/06/2022**

Sampling By : ETC**

Sampling Time : 11:50 AM**

Sampling Method : Grab**

Received Date : 28/06/2022

Tested Date : 28/06/2022 - 05/07/2022

Reported Date : 07/07/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	24.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	143	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.0	≤10
pH (on site) *		Electrometric Method	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)	744	≤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)	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. /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. Nitchaphon Tonglor (2-003-จ-5638)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางของนิคมอุตสาหกรรมแห่งที่ 2 อ.เมือง จ.ระยอง

Examined By :

(Miss Apiradee Chuen-arom)

(2-003-ค-4377)

07/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(2-003-ค-2205)

07/07/2022

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

Test Report

Request No : W6506641

Report No : 6507-0589

Customer : Amata City Rayong Co., Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65062271

Sample Name : Influent

Sampling Date : 27/06/2022

Sampling By : ETC

Sampling Time : 11:50 AM

Sampling Method : Grab

Received Date : 28/06/2022

Tested Date : 28/06/2022 - 05/07/2022

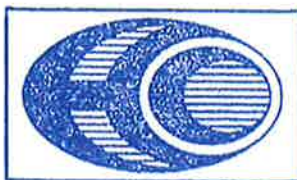
Reported Date : 07/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	226	-

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. Nitchaphon Tonglor (2-003-จ-5638)
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)
07/07/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507094
Report No : 6508-0196
Sample No : W 65070391
Sampling Date : 04/07/2022**
Sampling Time : 9:00 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022

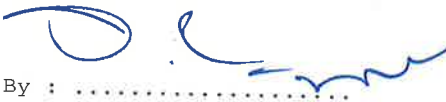
Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.4	≤500
Cadmium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux,Titrimetric Method (SM:5220C)	198	≤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 Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (ว-003-จ-5637)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Amata City Rayong Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
03/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
03/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507094

Report No : 6508-0196


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 : 05/07/2022 - 01/08/2022

Sample No : W 65070391
Sampling Date : 04/07/2022**
Sampling Time : 9:00 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022


Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	35	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	34	≤ 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. Supharerk Phatklang (จ-003-จ-5637)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลาง พงษ์ภาพ แห่งที่ 2 (Kawee Suthasub)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
03/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
03/08/2022

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 : 05/07/2022 - 01/08/2022

Sample No : W 65070391

Sampling Date : 04/07/2022**

Sampling Time : 9:00 AM**

Received Date : 05/07/2022

Reported Date : 03/08/2022

Request No : W6507094

Report No : 6508-0196

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)	5.2	≤ 10
pH (on site) *		Electrometric Method	7.1	5.5-9.0

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

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

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

2. @ = 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 (Krotha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
03/08/2022

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Test Report

Request No : W6507094

Report No : 6508-0196

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 : 05/07/2022 - 01/08/2022

Sample No : W 65070391
Sampling Date : 04/07/2022**
Sampling Time : 9:00 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022

Parameter	Unit	Method	Result	Standard ¹
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.090	≤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	37	≤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)	18	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	60	≤200

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

Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)
2. @ = 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. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
03/08/2022

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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 : 05/07/2022 - 01/08/2022

Sample No : W 65070391

Sampling Date : 04/07/2022**

Sampling Time : 9:00 AM**

Received Date : 05/07/2022

Reported Date : 03/08/2022

Request No : W6507094

Report No : 6508-0196

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)	1.02	≤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. 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)
03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
03/08/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507094
Report No : 6508 -0196
Sample No : W 65070391
Sampling Date : 04/07/2022**
Sampling Time : 9:00 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	126	-
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 : 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. Supharerk Phatklang (จ-003-๑-5637)*
5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**
6. Parameter Outside The Scope of The Registration of Department of Industrial Works



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)
03/08/2022



Request No. W6507094

Report No. 6508-0196

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 : 05/07/2022 – 01/08/2022

Sample No. : W 65070391

Sampling Date : 04/07/2022

Sampling Time : 9:00 AM

Received Date : 05/07/2022

Reported Date : 03/08/2022

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. Supharerk Phatklang (ว-003-จ-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofla Plant)


Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)

(ว-003-ค-2205)

03/08/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6507305

Report No : 6507-2049

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 : 12/07/2022 - 26/07/2022

Sample No : W 65071269
Sampling Date : 11/07/2022**
Sampling Time : 11:05 AM**
Received Date : 12/07/2022
Reported Date : 29/07/2022

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)	157	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.1	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	38	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	724	≤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)	45	≤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 Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพแห่งที่ 2 Amata Plant

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-จ-4377)
29/07/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-จ-2205)
29/07/2022

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 : W6507305

Report No : 6507-2049

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071269

Sample Name : Influent

Sampling Date : 11/07/2022

Sampling By : ETC

Sampling Time : 11:05 AM

Sampling Method : Grab

Received Date : 12/07/2022

Tested Date : 12/07/2022 - 26/07/2022

Reported Date : 29/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	145	-

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)

29/07/2022

Test Report

Request No : W6507415, W 6508214

Report No : 6508-1545-1, 6508-1547

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071559, W 65080850

Sample Name : Influent**

Sampling Date : 18/07/2022, 08/08/2022**

Sampling By : ETC**

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

Sampling Method : Grab**

Received Date : 19/07/2022, 09/08/2022

Tested Date : 19/07/2022 - 27/07/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	43.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	343	≤750
Oil and Grease @/2	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	772	≤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)	147	≤200

Physical Appearance : 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. W65080850 : Sampling Date 08/08/2022 (8:55 AM) : Tested Date 09/08/2022 - 20/08/2022

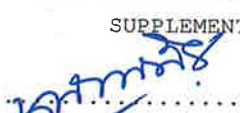
3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

4. Miss Nunnaphat Bakhuntod is Section Head / Mr. Kawee Suthasub is Technical Management.


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

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

Examined By : 
(Miss Nunnaphat Bakhuntod)
(ว-003-ก-4367)
23/08/2022

SUPPLEMENT TO TEST REPORT NO. 6508-1545

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(ว-003-ก-2205)
23/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507415

Report No : 6508-1545

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071559

Sample Name : Influent

Sampling Date : 18/07/2022

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 19/07/2022

Tested Date : 19/07/2022 - 27/07/2022

Reported Date : 23/08/2022

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

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 (จ-003-ก-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Nunnaphat Bakhuntod)
23/08/2022

Test Report

Request No : W6507545

Report No : 6508-0634

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071942

Sample Name : Influent**

Sampling Date : 25/07/2022**

Sampling By : ETC**

Sampling Time : 10:33 AM**

Sampling Method : Grab**

Received Date : 26/07/2022

Tested Date : 26/07/2022 - 03/08/2022

Reported Date : 09/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	12.5	≤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	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	756	≤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)	27	≤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 Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

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

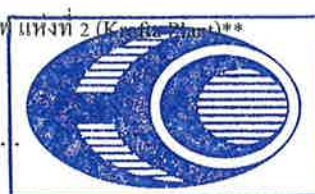
6. ## ระบบบำบัดน้ำเสียส่วนกลางท่งชีวภาพ แห่งที่ 2 (Kasidit Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

09/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

09/08/2022

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Test Report

Request No : W6507545

Report No : 6508 -0634

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071942

Sample Name : Influent

Sampling Date : 25/07/2022

Sampling By : ETC

Sampling Time : 10:33 AM

Sampling Method : Grab

Received Date : 26/07/2022

Tested Date : 26/07/2022 - 03/08/2022

Reported Date : 09/08/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	136	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

09/08/2022

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Test Report

Request No : W6508028

Report No : 6508-1103

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080122

Sample Name : Influent**

Sampling Date : 01/08/2022**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 02/08/2022

Tested Date : 02/08/2022 - 10/08/2022

Reported Date : 17/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	162	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.5	≤10
pH (on site) *		Electrometric Method	8.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	716	≤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)	28	≤200

Physical Apperance : 1. Sample : yellow, 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 Jiraporn Pankong 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 (บึงหนองปรือ) **

Examined By :

(Miss Jiraporn Pankong)

(จ-003-ค-4445)

17/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

17/08/2022

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Test Report

Request No : W6508028

Report No : 6508-1103

Customer : Amata City Rayong Co., Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080122

Sample Name : Influent

Sampling Date : 01/08/2022

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 02/08/2022

Tested Date : 02/08/2022 - 10/08/2022

Reported Date : 17/08/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	137	-

Physical Apperance : 1. Sample : yellow, 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. Parkpoom Buasawad (ว-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Jiraporn Pankong)

17/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508028

Report No : 6508-1103

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080122

Sample Name : Influent**

Sampling Date : 01/08/2022**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 02/08/2022

Tested Date : 02/08/2022 - 10/08/2022

Reported Date : 17/08/2022

Parameter	Unit	Method	Result	Standard ¹⁾
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	162	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.5	≤10
pH (on site) *		Electrometric Method	8.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	37	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	716	≤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)	28	≤200

Physical Apperance : 1. Sample : yellow, 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 Jiraporn Pankong 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 (K-003-ค-4445)**

Examined By :

(Miss Jiraporn Pankong)

(จ-003-ค-4445)

17/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

17/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508028

Report No : 6508-1103

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080122

Sample Name : Influent

Sampling Date : 01/08/2022

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 02/08/2022

Tested Date : 02/08/2022 - 10/08/2022

Reported Date : 17/08/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	137	-

Physical Apperance : 1. Sample : yellow, 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. Parkpoom Buasawad (ว-003-ค-7280)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Jiraporn Pankong)

17/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508215

Report No : 6508-1541

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080851

Sample Name : Influent**

Sampling Date : 08/08/2022**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 09/08/2022

Tested Date : 09/08/2022 - 20/08/2022

Reported Date : 22/08/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	30.3	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	138	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	632	≤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)	19	≤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-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

22/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

22/08/2022

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

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Test Report

Request No : W6508215

Report No : 6508-1541

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080851

Sample Name : Influent

Sampling Date : 08/08/2022

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 09/08/2022

Tested Date : 09/08/2022 - 20/08/2022

Reported Date : 22/08/2022

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

22/08/2022

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 : 16/08/2022 - 26/08/2022

Request No : W6508343
Report No : 6508-1988
Sample No : W 65081332
Sampling Date : 15/08/2022**
Sampling Time : 8:35 AM**
Received Date : 16/08/2022
Reported Date : 29/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	49.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	232	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	6.4	≤10
pH (on site) *		Electrometric Method	7.2	5.5-9.0
Temperature *	°C	Laboratory and Field Method	39	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	732	≤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)	85	≤200

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. @ = 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. Metee Sukprasert (จ-003-จ-8333)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (K - Bio Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
29/08/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
29/08/2022

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

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Test Report

Request No : W6508343

Report No : 6508-1988

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 : 16/08/2022 - 26/08/2022

Sample No : W 65081332

Sampling Date : 15/08/2022

Sampling Time : 8:35 AM

Received Date : 16/08/2022

Reported Date : 29/08/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	108	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Mr. Metee Sukprasert (ว-003-จ-8333)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

29/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508486

Report No : 6509-0224

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 : 23/08/2022 - 01/09/2022

Sample No : W 65081726

Sampling Date : 22/08/2022**

Sampling Time : 8:40 AM**

Received Date : 23/08/2022

Reported Date : 03/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	47.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	185	≤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	38	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	628	≤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)	34	≤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. ** = These data are non laboratory data.

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kong Phang)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
03/09/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
03/09/2022

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Test Report

Request No : W6508486

Report No : 6509- 0224

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65081726

Sample Name : Influent

Sampling Date : 22/08/2022

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 23/08/2022

Tested Date : 23/08/2022 - 01/09/2022

Reported Date : 03/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	92.9	-

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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

03/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509134

Report No : 6509-1190

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65090581

Sample Name : Influent**

Sampling Date : 05/09/2022**

Sampling By : ETC**

Sampling Time : 9:50 AM**

Sampling Method : Grab**

Received Date : 06/09/2022

Tested Date : 06/09/2022 - 15/09/2022

Reported Date : 19/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.9	≤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	7.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	38	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	696	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	17	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	35	≤200

Physical Appearance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /I 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krisir Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509134

Report No : 6509-1190

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 : 06/09/2022 - 15/09/2022

Sample No : W 65090581

Sampling Date : 05/09/2022

Sampling Time : 9:50 AM

Received Date : 06/09/2022

Reported Date : 19/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	104	-

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /I 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)

19/09/2022

Test Report

Request No : W6509311

Report No : 6509-1661

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091313

Sample Name : Influent**

Sampling Date : 12/09/2022**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 23/09/2022

Reported Date : 26/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	23.3	≤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	37	≤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)	12	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	27	≤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 Phivuan (ว-003-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

26/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

26/09/2022

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

Test Report

Request No : W6509311

Report No : 6509-1661

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091313

Sample Name : Influent

Sampling Date : 12/09/2022

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 23/09/2022

Reported Date : 26/09/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	116	-

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 (๖-003-๓-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/09/2022

Test Report

Request No : W6509444

Report No : 6509-2168

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091681

Sample Name : Influent**

Sampling Date : 19/09/2022**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 20/09/2022

Tested Date : 21/09/2022 - 28/09/2022

Reported Date : 30/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	19.9	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	159	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.0	≤10
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	660	≤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)	29	≤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,

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. Weerachai Porjai (จ-003-จ-8896)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
30/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
30/09/2022

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

Test Report

Request No : W6509444

Report No : 6509-2168

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 : 21/09/2022 - 28/09/2022

Sample No : W 65091681

Sampling Date : 19/09/2022

Sampling Time : 9:20 AM

Received Date : 20/09/2022

Reported Date : 30/09/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	130	-

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]

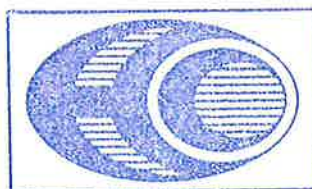
Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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. Weerachai Porjai (ว-003-จ-8896)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

30/09/2022

Test Report

Request No : W6509560, W 6510573

Report No : 6510-0237-1, 6511-0302

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65092060, W 65102012

Sample Name : Influent**

Sampling Date : 26/09/2022, 26/10/2022**

Sampling By : ETC**

Sampling Time : 9:55 AM, 10:53 AM**

Sampling Method : Grab**

Received Date : 27/09/2022, 27/10/2022

Tested Date : 27/09/2022 - 01/10/2022

Reported Date : 03/11/2022

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	45.4	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	341	≤750
Oil and Grease @/2	mg/l	Partition-Gravimetric Method (SM:5520B)	5.4	≤10
pH (on site) *		Electrometric Method	6.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
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)	16	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	137	≤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. W65102012 : Sampling Date 26/10/2022 (10:53 AM) : Tested Date 27/10/2022 - 02/11/2022

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 Miss Pompinan Viriyakusolkul (จ-003-จ-8334)*

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

03/11/2022

SUPPLEMENT TO TEST REPORT NO. 6510-0237



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

03/11/2022



Test Report

Request No : W6509560

Report No : 6510-0237

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65092060

Sample Name : Influent

Sampling Date : 26/09/2022

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 27/09/2022

Tested Date : 27/09/2022 - 01/10/2022

Reported Date : 05/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	88.1	-

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]

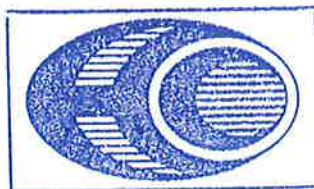
Remark : 1. /1 Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)

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 Miss Pompinan Viriyakusolkul (ว-003-ฉ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/10/2022

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 : 04/10/2022 - 12/10/2022

Request No : W6510047
Report No : 6510-0895
Sample No : W 65100250
Sampling Date : 03/10/2022**
Sampling Time : 8:50 AM**
Received Date : 04/10/2022
Reported Date : 15/10/2022


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)	0.07	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	21.5	≤500
Cadmium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux,Titrimetric Method (SM:5220C)	148	≤750

Physical Apperance : 1. Sample : white, 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. Songpon Phiwan (จ-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (K-Ad Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

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 : 04/10/2022 - 12/10/2022

Request No : W6510047
Report No : 6510-0895
Sample No : W 65100250
Sampling Date : 03/10/2022**
Sampling Time : 8:50 AM**
Received Date : 04/10/2022
Reported Date : 15/10/2022


Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤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 Appearance : 1. Sample : white, 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. Songpon Phiwan (จ-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kong Plang)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510047

Report No : 6510-0895

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65100250

Sample Name : Influent**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 8:50 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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	7.2	5.5-9.0

Physical Apperance : 1. Sample : white, 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. Songpon Phiwan (จ-003-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

15/10/2022

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Test Report

Request No : W6510047

Report No : 6510-0895

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65100250

Sample Name : Influent**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 8:50 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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 -S ₂ - F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	712	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	9	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	27	≤200

Physical Apperance : 1. Sample : white, 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. Songpon Phiwan (จ-003-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

15/10/2022

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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 : 04/10/2022 - 12/10/2022

Sample No : W 65100250

Sampling Date : 03/10/2022**

Sampling Time : 8:50 AM**

Received Date : 04/10/2022

Reported Date : 15/10/2022

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)	1.56	≤ 5

Physical Appearance : 1. Sample : white, 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. Songpon Phiwan (จ-003-ค-7279)*

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

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

Examined By : 
(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510047

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

Report No : 6510- 0895

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65100250

Sample Name : Influent**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 8:50 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	85.1	-
Chlorine (Residual) *	mg/l as Cl ₂	DPD Colorimetric Method (SM:4500 -Cl G)	0.9	≤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)	0.23	≤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 : white, 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. Songpon Phiwan (จ-003-ก-7279)*

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)

15/10/2022

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

GOPY

Request No. W6510047

Report No. 6510-0895

TEST REPORT

Customer : Amata City Rayong Co.,Ltd.
Address : 7 Moo.3 T. Bowin , Sriracha , Chonburi 20230
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##
Sample Name : Influent
Sampling By : ETC
Sampling Method : Grab
Tested Date : 04/10/2022 – 12/10/2022
Sample No. : W 65100250
Sampling Date : 03/10/2022
Sampling Time : 8:50 AM
Received Date : 04/10/2022
Reported Date : 15/10/2022


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

Remark : 1. /I Standard for Discharging Wastewater into the Central Wastewater Treatment System in Amata City Rayong (2017)
2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
3. Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
15/10/2022



Approved By 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
15/10/2022

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Test Report

Request No : W6510271

Report No : 6510-1645

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65101097

Sample Name : Influent**

Sampling Date : 10/10/2022**

Sampling By : ETC**

Sampling Time : 9:55 AM**

Sampling Method : Grab**

Received Date : 11/10/2022

Tested Date : 12/10/2022 - 21/10/2022

Reported Date : 26/10/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	23.3	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	134	≤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	36	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	684	≤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)	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. Supharerk Phatklang (J-003-จ-5637)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(J-003-ค-4377)

26/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(J-003-ค-2205)

26/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510271

Report No : 6510-1645

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 : 12/10/2022 - 21/10/2022

Sample No : W 65101097

Sampling Date : 10/10/2022

Sampling Time : 9:55 AM

Received Date : 11/10/2022

Reported Date : 26/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	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. 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 (๖-๐๐3-๖-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510418

Report No : 6510-1803

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65101496

Sample Name : Influent**

Sampling Date : 17/10/2022**

Sampling By : ETC**

Sampling Time : 11:20 AM**

Sampling Method : Grab**

Received Date : 18/10/2022

Tested Date : 18/10/2022 - 26/10/2022

Reported Date : 28/10/2022

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	21.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	100	≤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	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	680	≤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)	19	≤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-ท-7280)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kawee Suthasub)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

28/10/2022



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

28/10/2022

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Test Report

Request No : W6510418

Report No : 6510-1803

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 : 18/10/2022 - 26/10/2022

Sample No : W 65101496

Sampling Date : 17/10/2022

Sampling Time : 11:20 AM

Received Date : 18/10/2022

Reported Date : 28/10/2022

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	110	-

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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : (Miss Apiradee Chuen-arom)
28/10/2022REPORTED 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 : 27/10/2022 - 03/11/2022

Request No : W6510572
Report No : 6511-0587
Sample No : W 65102010
Sampling Date : 26/10/2022**
Sampling Time : 10:53 AM**
Received Date : 27/10/2022
Reported Date : 08/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	37.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	245	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.4	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	38	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,104	≤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)	85	≤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. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krofts Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
08/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
08/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510572

Report No : 6511-0587

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65102010

Sample Name : Influent

Sampling Date : 26/10/2022

Sampling By : ETC

Sampling Time : 10:53 AM

Sampling Method : Grab

Received Date : 27/10/2022

Tested Date : 27/10/2022 - 03/11/2022

Reported Date : 08/11/2022

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

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 Pompinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

08/11/2022

Test Report

Request No : W6511202

Report No : 6511-1381

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65110833

Sample Name : Influent**

Sampling Date : 07/11/2022**

Sampling By : ETC**

Sampling Time : 8:30 AM**

Sampling Method : Grab**

Received Date : 08/11/2022

Tested Date : 08/11/2022 - 16/11/2022

Reported Date : 18/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	26.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	142	≤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)	744	≤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)	20	≤200

Physical Appearance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /I 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Kro-Pi-Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-จ-4377)

18/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-จ-2205)

18/11/2022

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Test Report

Request No : W6511202

Report No : 6511-1381

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65110833

Sample Name : Influent

Sampling Date : 07/11/2022

Sampling By : ETC

Sampling Time : 8:30 AM

Sampling Method : Grab

Received Date : 08/11/2022

Tested Date : 08/11/2022 - 16/11/2022

Reported Date : 18/11/2022

Parameter	Unit	Method	Result	Standard/l
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	118	

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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

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

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

18/11/2022

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 : 15/11/2022 - 19/11/2022

Request No : W6511357
Report No : 6511-1768
Sample No : W 65111269
Sampling Date : 14/11/2022**
Sampling Time : 10:05 AM**
Received Date : 15/11/2022
Reported Date : 23/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	21.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	151	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.1	≤10
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	29	≤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)	41	≤200

Physical Apperance : 1. Sample : lightly SS

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

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

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

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
23/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
23/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511357

Report No : 6511-1768

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 : 15/11/2022 - 19/11/2022

Sample No : W 65111269

Sampling Date : 14/11/2022

Sampling Time : 10:05 AM

Received Date : 15/11/2022

Reported Date : 23/11/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	94.9	-

Physical Apperance : 1. Sample : lightly SS

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

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

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

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

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

23/11/2022

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 : 22/11/2022 - 05/12/2022

Sample No : W 65111668

Sampling Date : 21/11/2022**

Sampling Time : 8:45 AM**

Received Date : 22/11/2022

Reported Date : 07/12/2022

Request No : W6511498

Report No : 6512-0249

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	14.0	≤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	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	712	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	11	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	27	≤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 (ว-003-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

07/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

07/12/2022

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 : 22/11/2022 - 05/12/2022

Request No : W6511498

Report No : 6512-0249

Sample No : W 65111668

Sampling Date : 21/11/2022

Sampling Time : 8:45 AM

Received Date : 22/11/2022

Reported Date : 07/12/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	117	-

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-ค-7279)

5. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

07/12/2022

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 : 29/11/2022 - 05/12/2022

Sample No : W 65112012

Sampling Date : 28/11/2022 **

Sampling Time : 11:00 AM **

Received Date : 29/11/2022

Reported Date : 29/12/2022

Request No : W6511603

Report No : 6512-1863

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	43.1	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	204	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.3	≤10
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	836	≤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)	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,

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 Pompinan Viriyakusolkul (ว-003-จ-8334)*

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

6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

29/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

29/12/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6511603

Report No : 6512-1863

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 : 29/11/2022 - 05/12/2022

Sample No : W 65112012

Sampling Date : 28/11/2022

Sampling Time : 11:00 AM

Received Date : 29/11/2022

Reported Date : 29/12/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	91.3	-

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. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

5. Sampling By Miss Pompinan Viriyakusolkul (ว-003-จ-8334)



Examined By :

(Miss Apiradee Chuen-arom)

29/12/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6512122, W 6512640

Report No : 6601-0529-1, 6601-0531

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65120558, W 65122087

Sample Name : Influent**

Sampling Date : 05/12/2022, 28/12/2022**

Sampling By : ETC**

Sampling Time : 8:50 AM, 1:05 PM**

Sampling Method : Grab**

Received Date : 06/12/2022, 29/12/2022

Tested Date : 06/12/2022 - 19/12/2022

Reported Date : 09/01/2023

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #/2	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	27.7	≤500
Chemical Oxygen Demand #/2	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	99	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.1	≤10
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,096	≤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)	50	≤200

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2./2 Sample No. W65122087 : Sampling Date 28/12/2022 (1:05 PM) : Tested Date 29/12/2022 - 03/01/2023

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

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

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

5. * = Test Report/Sampling marked Not Accredited; Sampling By Mr. Songpon Phiwan (จ-003-ก-7279)*

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
09/01/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
09/01/2023

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

Test Report

Request No : W6512122

Report No : 6601-0529

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 : 06/12/2022 - 19/12/2022

Sample No : W 65120558

Sampling Date : 05/12/2022

Sampling Time : 8:50 AM

Received Date : 06/12/2022

Reported Date : 09/01/2023

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

Physical Apperance : 1. Sample : yellow, lightly SS

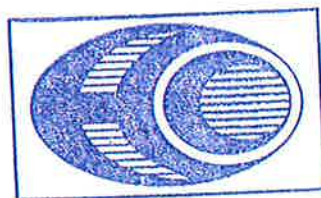
2. Container : Normal [PE 0.5 L, PE 1.0 L , PE 1.8 L , G 1.0 L]

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 Editio

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)

09/01/2023

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 : 13/12/2022 - 20/12/2022

Sample No : W 65121187

Sampling Date : 12/12/2022**

Sampling Time : 10:55 AM**

Received Date : 13/12/2022

Reported Date : 22/12/2022

Request No : W6512320

Report No : 6512-1470

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	44.3	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	200	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.8	≤10
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	924	≤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)	65	≤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,

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 (KroRa Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

22/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

22/12/2022

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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 : 13/12/2022 - 20/12/2022

Request No : W6512320
Report No : 6512-1470
Sample No : W 65121187
Sampling Date : 12/12/2022
Sampling Time : 10:55 AM
Received Date : 13/12/2022
Reported Date : 22/12/2022

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

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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/12/2022

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 : 21/06/2022 - 28/06/2022

Sample No : W 65061838
Sampling Date : 20/06/2022**
Sampling Time : 10:50 AM**
Received Date : 21/06/2022
Reported Date : 02/07/2022

Request No : W6506513
Report No : 6506-2257

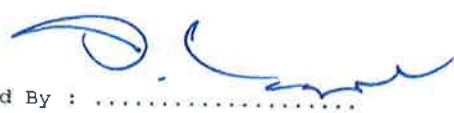
Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.8	≤20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤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. Supharck Phatklang (จ-003-จ-5637)*
5. ** - These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Kro. Phat Klang)

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



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

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Test Report

Request No : W6506513

Report No : 6506-2257

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65061838

Sample Name : Effluent**

Sampling Date : 20/06/2022**

Sampling By : ETC**

Sampling Time : 10:50 AM**

Sampling Method : Grab**

Received Date : 21/06/2022

Tested Date : 21/06/2022 - 28/06/2022

Reported Date : 02/07/2022

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	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	664	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	9	≤ 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. ** = These data are non laboratory data.

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางวิศวกรรม แห่งที่ 2 (Krofa 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 2 ##
Sample Name : Effluent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 21/06/2022 - 28/06/2022

Request No : W6506513
Report No : 6506-2257
Sample No : W 65061838
Sampling Date : 20/06/2022**
Sampling Time : 10:50 AM**
Received Date : 21/06/2022
Reported Date : 02/07/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.66	≤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. ** = These data are non laboratory data.

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krabi-Ewara)

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

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 : Effluent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 28/06/2022 - 05/07/2022

Request No : W6506641
Report No : 6507-0590
Sample No : W 65062272
Sampling Date : 27/06/2022**
Sampling Time : 11:45 AM**
Received Date : 28/06/2022
Reported Date : 07/07/2022

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)	60	≤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	34	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	636	≤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)	10	≤50

Physical Appearance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /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. Nitchaphon Tonglor (J-003-๑-5638)*

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

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

Examined By : 

(Miss Apiradee Chuen-arom)
(J-003-๑-4377)

07/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)
(J-003-๑-2205)

07/07/2022

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 : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 28/06/2022 - 05/07/2022

Sample No : W 65062272

Sampling Date : 27/06/2022

Sampling Time : 11:45 AM

Received Date : 28/06/2022

Reported Date : 07/07/2022

Request No : W6506641

Report No : 6507- 0590

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	135	-

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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

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

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

4. Sampling By Mr. Nitchaphon Tonglor (1-003-จ-5638)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)
07/07/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507094
Report No : 6508-0197
Sample No : W 65070392
Sampling Date : 04/07/2022**
Sampling Time : 8:50 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022


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)	0.10	≤1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.2	≤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)	70	≤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. /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 (1-003-จ-5637)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroffa-Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(1-003-ค-4377)
03/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(1-003-ค-2205)
03/08/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507094
Report No : 6508-0197
Sample No : W 65070392
Sampling Date : 04/07/2022**
Sampling Time : 8:50 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022


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

Remark : 1. /I 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. Supharek Phatklang (จ-003-ท-5637)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (คลองปลาหมอ)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
03/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ท-2205)
03/08/2022

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 : 05/07/2022 - 01/08/2022

Request No : W6507094
Report No : 6508-0197
Sample No : W 65070392
Sampling Date : 04/07/2022**
Sampling Time : 8:50 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022


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	7.0	5.5-9.0

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

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by 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 (ว-003-จ-5637)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
03/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
03/08/2022

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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 : 05/07/2022 - 01/08/2022

Sample No : W 65070392

Sampling Date : 04/07/2022**

Sampling Time : 8:50 AM**

Received Date : 05/07/2022

Reported Date : 03/08/2022

Request No : W6507094

Report No : 6508-0197

Parameter	Unit	Method	Result	Standard ¹
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.060	≤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	35	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	792	≤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)	7	≤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. Supharerk Phatklang (จ-003-จ-5637)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kawee Suthasub)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

03/08/2022

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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 : 05/07/2022 - 01/08/2022

Request No : W6507094
Report No : 6508-0197

Sample No : W 65070392
Sampling Date : 04/07/2022**
Sampling Time : 8:50 AM**
Received Date : 05/07/2022
Reported Date : 03/08/2022

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)	0.81	≤ 5

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

Remark : 1. /I 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. Supharker Phatklang (จ-003-จ-5637)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Pham)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
03/08/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
03/08/2022

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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 : 05/07/2022 - 01/08/2022

Request No : W6507094

Report No : 6508-0197

Sample No : W 65070392

Sampling Date : 04/07/2022

Sampling Time : 8:50 AM

Received Date : 05/07/2022

Reported Date : 03/08/2022

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

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

03/08/2022

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Request No. W6507094

Report No. 6508-0197

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 : 05/07/2022 – 01/08/2022

Sample No. : W 65070392

Sampling Date : 04/07/2022

Sampling Time : 8:50 AM

Received Date : 05/07/2022

Reported Date : 03/08/2022

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. Supharerk Phatklang (ว-003-จ-5637)

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

03/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

(ว-003-ค-2205)

03/08/2022

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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 : 12/07/2022 - 26/07/2022

Request No : W6507305
Report No : 6507-2050
Sample No : W 65071270
Sampling Date : 11/07/2022**
Sampling Time : 10:56 AM**
Received Date : 12/07/2022
Reported Date : 29/07/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.3	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	840	≤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 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 Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Kroha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
29/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
29/07/2022

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

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Test Report

Request No : W6507305

Report No : 6507- 2050

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071270

Sample Name : Effluent

Sampling Date : 11/07/2022

Sampling By : ETC

Sampling Time : 10:56 AM

Sampling Method : Grab

Received Date : 12/07/2022

Tested Date : 12/07/2022 - 26/07/2022

Reported Date : 29/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	187	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Miss Pompinan Viriyakusolkul (ว-003-ท-8334)

5.## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

29/07/2022

Test Report

Request No : W6507415

Report No : 6508-1546

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071560

Sample Name : Effluent**

Sampling Date : 18/07/2022**

Sampling By : ETC**

Sampling Time : 10:15 AM**

Sampling Method : Grab**

Received Date : 19/07/2022

Tested Date : 19/07/2022 - 27/07/2022

Reported Date : 23/08/2022

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 [4 Bottle], PE 1.0 L , PE 1.8 L, G 1.0 L]

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

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


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

3. Miss Nunnaphat Bakhuntod is 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)**

Examined By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-4367)
23/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
23/08/2022

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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 : 19/07/2022 - 27/07/2022

Request No : W6507415
Report No : 6508-1546
Sample No : W 65071560
Sampling Date : 18/07/2022**
Sampling Time : 10:15 AM**
Received Date : 19/07/2022
Reported Date : 23/08/2022


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)	722	≤3000
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 [4 Bottle], PE 1.0 L , PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Nunnaphat Bakhuntod is 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 (Krofa Plant)**

Examined By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ท-4367)
23/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ท-2205)
23/08/2022

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 : 19/07/2022 - 27/07/2022

Sample No : W 65071560

Sampling Date : 18/07/2022**

Sampling Time : 10:15 AM**

Received Date : 19/07/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.70	≤5

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L , PE 1.8 L, G 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 Nunnaphat Bakhuntod 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพแห่งที่ 2 (Korla-2) **

Examined By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ก-4367)
23/08/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
23/08/2022

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Test Report

Request No : W6507545

Report No : 6508-0635

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 : 26/07/2022 - 03/08/2022

Sample No : W 65071943
Sampling Date : 25/07/2022**
Sampling Time : 10:36 AM**
Received Date : 26/07/2022
Reported Date : 09/08/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.2	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	80	≤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	36	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	704	≤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)	42	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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

2. @ = ISO/IEC 17025:2017 Accredited by 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 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
09/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
09/08/2022

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Test Report

Request No : W6507545

Report No : 6508-0635

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65071943

Sample Name : Effluent

Sampling Date : 25/07/2022

Sampling By : ETC

Sampling Time : 10:36 AM

Sampling Method : Grab

Received Date : 26/07/2022

Tested Date : 26/07/2022 - 03/08/2022

Reported Date : 09/08/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	144	-

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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

09/08/2022

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Test Report

Request No : W6508028, W 6508487

Report No : 6508-1104-1, 6509-0004

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 : 02/08/2022 - 11/08/2022

Sample No : W 65080123, W 65081728

Sampling Date : 01/08/2022, 22/08/2022**

Sampling Time : 8:45 AM, 8:35 AM**

Received Date : 02/08/2022, 23/08/2022

Reported Date : 01/09/2022

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)	7.1	≤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 [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

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

2./2 Sample No. W65081728 : Sampling Date 22/08/2022 (8:35 AM) : Tested Date 23/08/2022 - 27/08/2022

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 Jiraporn Pankong is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

SUPPLEMENT TO TEST REPORT NO. 6508-1104

Examined By :

(Miss Jiraporn Pankong)
(จ-003-ท-4445)
01/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
01/09/2022

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Test Report

Request No : W6508028, W 6508487

Report No : 6508-1104-1, 6509-0004

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080123, W 65081728

Sample Name : Effluent**

Sampling Date : 01/08/2022, 22/08/2022**

Sampling By : ETC**

Sampling Time : 8:45 AM, 8:35 AM**

Sampling Method : Grab**

Received Date : 02/08/2022, 23/08/2022

Tested Date : 02/08/2022 - 11/08/2022

Reported Date : 01/09/2022

Parameter	Unit	Method	Result	Standard ¹
Lead @/2	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	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	772	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	26	≤ 50

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. /2 Sample No. W65081728 : Sampling Date 22/08/2022 (8:35 AM) : Tested Date 23/08/2022 - 27/08/2022

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 Jiraporn Pankong is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

Examined By :

(Miss Jiraporn Pankong)
(จ-003-ก-4445)
01/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
01/09/2022

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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 : 02/08/2022 - 11/08/2022

Sample No : W 65080123, W 65081728

Sampling Date : 01/08/2022, 22/08/2022**

Sampling Time : 8:45 AM, 8:35 AM**

Received Date : 02/08/2022, 23/08/2022

Reported Date : 01/09/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.89	≤5

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. /2 Sample No. W65081728 : Sampling Date 22/08/2022 (8:35 AM) : Tested Date 23/08/2022 - 27/08/2022

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 Jiraporn Pankong is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

Examined By :

(Miss Jiraporn Pankong)
(จ-003-ค-4445)
01/09/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
01/09/2022

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 : Effluent**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 02/08/2022 - 11/08/2022

Sample No : W 65080123, W 65081728

Sampling Date : 01/08/2022, 22/08/2022**

Sampling Time : 8:45 AM, 8:35 AM**

Received Date : 02/08/2022, 23/08/2022

Reported Date : 01/09/2022

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)	7.1	≤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 [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

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

2./2 Sample No. W65081728 : Sampling Date 22/08/2022 (8:35 AM) : Tested Date 23/08/2022 - 27/08/2022

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 Jiraporn Pankong is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

SUPPLEMENT TO TEST REPORT NO. 6508-1104

Examined By :
(Miss Jiraporn Pankong)
(จ-003-ค-4445)
01/09/2022



Approved By :
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
01/09/2022

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

Test Report

Request No : W6508028, W 6508487

Report No : 6508-1104-1, 6509-0004

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 : 02/08/2022 - 11/08/2022

Sample No : W 65080123, W 65081728

Sampling Date : 01/08/2022, 22/08/2022**

Sampling Time : 8:45 AM, 8:35 AM**

Received Date : 02/08/2022, 23/08/2022

Reported Date : 01/09/2022

Parameter	Unit	Method	Result	Standard ¹
Lead @/2	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	7.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	772	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	26	≤ 50

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

2./2 Sample No. W65081728 : Sampling Date 22/08/2022 (8:35 AM) : Tested Date 23/08/2022 - 27/08/2022

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 Jiraporn Pankong is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

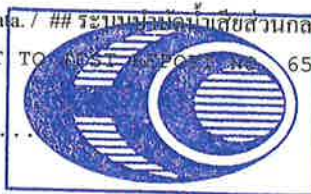
SUPPLEMENT TO TEST REPORT NO. 6508-1104

Examined By :

(Miss Jiraporn Pankong)

(จ-003-ก-4445)

01/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

01/09/2022

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

Test Report

Request No : W6508028, W 6508487

Report No : 6508-1104-1, 6509-0004

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080123, W 65081728

Sample Name : Effluent**

Sampling Date : 01/08/2022, 22/08/2022**

Sampling By : ETC**

Sampling Time : 8:45 AM, 8:35 AM**

Sampling Method : Grab**

Received Date : 02/08/2022, 23/08/2022

Tested Date : 02/08/2022 - 11/08/2022

Reported Date : 01/09/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.89	≤5

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2./2 Sample No. W65081728 : Sampling Date 22/08/2022 (8:35 AM) : Tested Date 23/08/2022 - 27/08/2022

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 Jiraporn Pankong is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

SUPPLEMENT TO TEST REPORT NO. 6508-1104

Examined By :

(Miss Jiraporn Pankong)
(จ-003-ท-4445)
01/09/2022



Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
01/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508215

Report No : 6508-1542

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 : 09/08/2022 - 20/08/2022

Sample No : W 65080852
Sampling Date : 08/08/2022**
Sampling Time : 8:50 AM**
Received Date : 09/08/2022
Reported Date : 22/08/2022

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)	44	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.6	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤40
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)	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. Songpon Phiwan (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)
22/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/08/2022

COPY

Test Report

Request No : W6508215

Report No : 6508-1542

Customer : Amata City Rayong Co., Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65080852

Sample Name : Effluent

Sampling Date : 08/08/2022

Sampling By : ETC

Sampling Time : 8:50 AM

Sampling Method : Grab

Received Date : 09/08/2022

Tested Date : 09/08/2022 - 20/08/2022

Reported Date : 22/08/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	130	-

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 (จ-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

22/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508343

Report No : 6508-1989

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 : 16/08/2022 - 26/08/2022

Sample No : W 65081333
Sampling Date : 15/08/2022**
Sampling Time : 8:25 AM**
Received Date : 16/08/2022
Reported Date : 29/08/2022

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 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. Metee Sukprasert (จ-003-จ-8333)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

29/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

29/08/2022

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 : 16/08/2022 - 26/08/2022


Request No : W6508343
Report No : 6508-1989

Sample No : W 65081333
Sampling Date : 15/08/2022**
Sampling Time : 8:25 AM**
Received Date : 16/08/2022
Reported Date : 29/08/2022

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	36	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	732	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	15	≤ 50


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. Metee Sukprasert (จ-003-จ-8333)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 Kromkham

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
29/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
29/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508343

Report No : 6508-1989

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65081333

Sample Name : Effluent**

Sampling Date : 15/08/2022**

Sampling By : ETC**

Sampling Time : 8:25 AM**

Sampling Method : Grab**

Received Date : 16/08/2022

Tested Date : 16/08/2022 - 26/08/2022

Reported Date : 29/08/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.10	≤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. /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. Metee Sukprasert (จ-003-ท-8333)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Sukhapibarn)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

29/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

29/08/2022

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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 : 23/08/2022 - 29/08/2022

Request No : W6508486

Report No : 6509- 0225

Sample No : W 65081727

Sampling Date : 22/08/2022**

Sampling Time : 8:35 AM**

Received Date : 23/08/2022

Reported Date : 03/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.9	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	62	≤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	36	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	740	≤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)	16	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / 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 (Kroffa Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

03/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

03/09/2022

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Test Report

Request No : W6508486

Report No : 6509 - 0225

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 : 23/08/2022 - 29/08/2022

Sample No : W 65081727

Sampling Date : 22/08/2022

Sampling Time : 8:35 AM

Received Date : 23/08/2022

Reported Date : 03/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	152	-

Physical Apperance : 1. Sample : yellowish, lightly SS

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

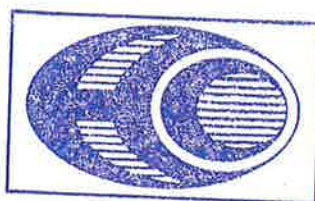
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. 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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

03/09/2022

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 : 06/09/2022 - 15/09/2022

Sample No : W 65090582

Sampling Date : 05/09/2022**

Sampling Time : 9:45 AM**

Received Date : 06/09/2022

Reported Date : 19/09/2022

Request No : W6509134

Report No : 6509-1191

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)	2.4	≤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 : yellowish, lightly SS

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

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / 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 (Kroda Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

19/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

19/09/2022

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

Test Report

Request No : W6509134

Report No : 6509-1191

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65090582

Sample Name : Effluent**

Sampling Date : 05/09/2022**

Sampling By : ETC**

Sampling Time : 9:45 AM**

Sampling Method : Grab**

Received Date : 06/09/2022

Tested Date : 06/09/2022 - 15/09/2022

Reported Date : 19/09/2022

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	36	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	684	≤ 3000
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 [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / 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 (Krofa Plant)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/09/2022

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 : Effluent**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 06/09/2022 - 15/09/2022

Sample No : W 65090582

Sampling Date : 05/09/2022**

Sampling Time : 9:45 AM**

Received Date : 06/09/2022

Reported Date : 19/09/2022

Request No : W6509134

Report No : 6509-1191

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.60	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / 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. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krofia Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
19/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
19/09/2022

Test Report

Request No : W6509311

Report No : 6509-1662

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091314

Sample Name : Effluent**

Sampling Date : 12/09/2022**

Sampling By : ETC**

Sampling Time : 8:35 AM**

Sampling Method : Grab**

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 23/09/2022

Reported Date : 26/09/2022

Parameter	Unit	Method	Result	Standard/l
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)	< 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	31	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	628	≤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)	24	≤50

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

2. @ = ISO/IEC 17025:2017 Accredited by 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 (Krofa Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
26/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
26/09/2022

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Test Report

Request No : W6509311

Report No : 6509-1662

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091314

Sample Name : Effluent

Sampling Date : 12/09/2022

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 23/09/2022

Reported Date : 26/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	126	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Mr. Songpon Phiwuan (2-003-ค-7279)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

26/09/2022

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

COPY

Test Report

Request No : W6509444

Report No : 6509-2169

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091682

Sample Name : Effluent**

Sampling Date : 19/09/2022**

Sampling By : ETC**

Sampling Time : 9:15 AM**

Sampling Method : Grab**

Received Date : 20/09/2022

Tested Date : 21/09/2022 - 28/09/2022

Reported Date : 30/09/2022

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 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.

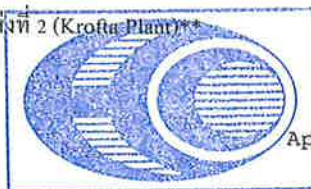
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Weerachai Porjai (จ-003-จ-8896)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
30/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
30/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509444

Report No : 6509-2169

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091682

Sample Name : Effluent**

Sampling Date : 19/09/2022**

Sampling By : ETC**

Sampling Time : 9:15 AM**

Sampling Method : Grab**

Received Date : 20/09/2022

Tested Date : 21/09/2022 - 28/09/2022

Reported Date : 30/09/2022

Parameter	Unit	Method	Result	Standard/l
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	35	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	776	≤3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	11	≤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. /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.

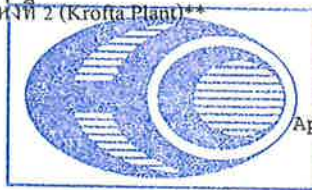
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Weerachai Porjai (จ-003-จ-8896)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางห้วยภาพ แห่งที่ 2 (Kroffa Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
30/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
30/09/2022

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Test Report

Request No : W6509444

Report No : 6509-2169

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65091682

Sample Name : Effluent**

Sampling Date : 19/09/2022**

Sampling By : ETC**

Sampling Time : 9:15 AM**

Sampling Method : Grab**

Received Date : 20/09/2022

Tested Date : 21/09/2022 - 28/09/2022

Reported Date : 30/09/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.89	≤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. /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. Weerachai Porjai (จ-003-จ-8896)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krofta-Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
30/09/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
30/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509560

Report No : 6510-0238

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65092061

Sample Name : Effluent**

Sampling Date : 26/09/2022**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 27/09/2022

Tested Date : 27/09/2022 - 01/10/2022

Reported Date : 05/10/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.8	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	89	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	888	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	15	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	44	≤50

Physical Appearance : 1. Sample : yellow, lightly SS

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

Remark : 1. /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 Miss Pompinan Viriyakusolkul (จ-003-จ-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krota Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
05/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
05/10/2022

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

Test Report

Request No : W6509560

Report No : 6510-0238

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65092061

Sample Name : Effluent

Sampling Date : 26/09/2022

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 27/09/2022

Tested Date : 27/09/2022 - 01/10/2022

Reported Date : 05/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	175	-

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]

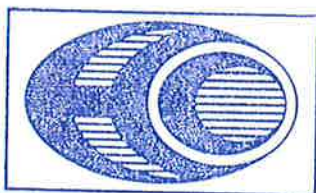
Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

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

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

4. Sampling By Miss Pompinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/10/2022

Test Report

Request No : W6510047

Report No : 6510-0896

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65100251

Sample Name : Effluent**

Sampling Date : 03/10/2022

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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)	< 40	≤120

Physical Apperance : 1. Sample : slightly - white, 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. Songpon Phiwan (จ-003-ค-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

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 : 04/10/2022 - 12/10/2022

Request No : W6510047
Report No : 6510-0896
Sample No : W 65100251
Sampling Date : 03/10/2022
Sampling Time : 8:40 AM
Received Date : 04/10/2022
Reported Date : 15/10/2022


Parameter	Unit	Method	Result	Standard ¹
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	26	≤300
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	26	≤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 Apperance : 1. Sample : slightly - white, 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. Songpon Phiwuan (จ-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Sewage Plant) *

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

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

COPY

Test Report

Request No : W6510047

Report No : 6510-0896

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65100251

Sample Name : Effluent**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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	7.4	5.5-9.0

Physical Appearance : 1. Sample : slightly - white, 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. Songpon Phiwan (จ-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

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 : 04/10/2022 - 12/10/2022


Sample No : W 65100251
Sampling Date : 03/10/2022**
Sampling Time : 8:40 AM**
Received Date : 04/10/2022
Reported Date : 15/10/2022

Request No : W6510047
Report No : 6510-0896


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)	0.65	≤ 1
Temperature *	°C	Laboratory and Field Method	30	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	804	≤ 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)	24	≤ 50

Physical Apperance : 1. Sample : slightly - white, 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. Songpon Phiwan (ว-003-ค-7279)*
5. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
15/10/2022



Approved By : 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510047

Report No : 6510-0896

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65100251

Sample Name : Effluent**

Sampling Date : 03/10/2022**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 04/10/2022

Tested Date : 04/10/2022 - 12/10/2022

Reported Date : 15/10/2022

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)	1.14	≤ 5

Physical Appearance : 1. Sample : slightly - white, 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. 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)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510047

Report No : 6510-0896

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 04/10/2022 - 12/10/2022

Sample No : W 65100251

Sampling Date : 03/10/2022

Sampling Time : 8:40 AM

Received Date : 04/10/2022

Reported Date : 15/10/2022

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 : slightly - white, 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. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Sampling By Mr. Songpon Phiwuan (1-003-ค-7279)
4. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)
5. Parameter Outside The Scope of The Registration of Department of Industrial Works



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

15/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6510047

Report No. 6510-0896

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 65100251
Sample Name : Effluent Sampling Date : 03/10/2022
Sampling By : ETC Sampling Time : 8:40 AM
Sampling Method : Grab Received Date : 04/10/2022
Tested Date : 04/10/2022 – 12/10/2022 Reported Date : 15/10/2022

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 : slightly - white, 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. Songpon Phiwuan (ว-003-ค-7279)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
15/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Mr. Kawee Suthasub)
(ว-003-ค-2205)
15/10/2022

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 : 12/10/2022 - 20/10/2022

Request No : W6510271
Report No : 6510-1646

Sample No : W 65101098
Sampling Date : 10/10/2022**
Sampling Time : 9:50 AM**
Received Date : 11/10/2022
Reported Date : 26/10/2022

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	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	740	≤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)	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. Supharerk Phatklang (จ-003-จ-5637)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางจังหวัด (Krofta Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-จ-4377)
26/10/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-จ-2205)
26/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510271

Report No : 6510-1646

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65101098

Sample Name : Effluent

Sampling Date : 10/10/2022

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 11/10/2022

Tested Date : 12/10/2022 - 20/10/2022

Reported Date : 26/10/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	128	-

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 (จ-003-จ-5637)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

26/10/2022

Test Report

Request No : W6510418

Report No : 6510-1804

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65101497

Sample Name : Effluent**

Sampling Date : 17/10/2022**

Sampling By : ETC**

Sampling Time : 11:15 AM**

Sampling Method : Grab**

Received Date : 18/10/2022

Tested Date : 18/10/2022 - 26/10/2022

Reported Date : 28/10/2022

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 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. Parkpoom Buasawad (จ-003-ค-7280)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

28/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

28/10/2022

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 : 18/10/2022 - 26/10/2022

Sample No : W 65101497
Sampling Date : 17/10/2022**
Sampling Time : 11:15 AM**
Received Date : 18/10/2022
Reported Date : 28/10/2022

Request No : W6510418
Report No : 6510-1804

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	7.1	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	800	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	11	≤ 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. 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)
28/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
28/10/2022

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 : 18/10/2022 - 26/10/2022

Request No : W6510418
Report No : 6510-1804
Sample No : W 65101497
Sampling Date : 17/10/2022**
Sampling Time : 11:15 AM**
Received Date : 18/10/2022
Reported Date : 28/10/2022

Parameter	Unit	Method	Result	Standard/ ^l
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.89	≤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. Parkpoom Buasawad (จ-003-ก-7280)*
5. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 Krotta Plant**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
28/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
28/10/2022

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Test Report

Request No : W6510572

Report No : 6511-0588

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 : 27/10/2022 - 03/11/2022

Sample No : W 65102011
Sampling Date : 26/10/2022**
Sampling Time : 10:55 AM**
Received Date : 27/10/2022
Reported Date : 08/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.4	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	852	≤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)	10	≤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 Miss Pornpinan Viriyakusolkul (ว-003-ท-8334)*

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Kroha Plant) **

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ท-4377)
08/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(ว-003-ท-2205)
08/11/2022

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Test Report

Request No : W6510572

Report No : 6511-0588

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 : 27/10/2022 - 03/11/2022

Sample No : W 65102011

Sampling Date : 26/10/2022

Sampling Time : 10:55 AM

Received Date : 27/10/2022

Reported Date : 08/11/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	150	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

08/11/2022

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 : 08/11/2022 - 16/11/2022

Sample No : W 65110834

Sampling Date : 07/11/2022**

Sampling Time : 8:35 AM**

Received Date : 08/11/2022

Reported Date : 18/11/2022

Parameter	Unit	Method	Result	Standard/l
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)	2.4	≤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 : yellowish, lightly SS

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

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

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

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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 (Bowin Chonburi)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

18/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

18/11/2022

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 : 08/11/2022 - 16/11/2022

Sample No : W 65110834

Sampling Date : 07/11/2022**

Sampling Time : 8:35 AM**

Received Date : 08/11/2022

Reported Date : 18/11/2022

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	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	716	≤ 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 [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

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

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

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (บ.น.บ.บ.บ.)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

18/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

18/11/2022

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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 : 08/11/2022 - 16/11/2022

Sample No : W 65110834

Sampling Date : 07/11/2022**

Sampling Time : 8:35 AM**

Received Date : 08/11/2022

Reported Date : 18/11/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.97	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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

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

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

6. ## ระบบบำบัดน้ำเสียส่วนกลางทางภาพ แห่งที่ 2 (Krotha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

18/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

18/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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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 : 15/11/2022 - 19/11/2022

Sample No : W 65111270

Sampling Date : 14/11/2022**

Sampling Time : 10:00 AM**

Received Date : 15/11/2022

Reported Date : 23/11/2022

Request No : W6511357

Report No : 6511-1769

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)	48	≤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	29	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	860	≤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)	7	≤50

Physical Apperance : 1. Sample : lightly SS

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

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / 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.

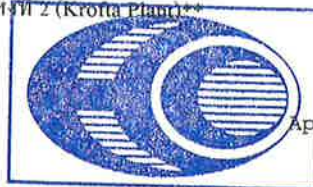
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krota Pland**

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

23/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

23/11/2022

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Test Report

Request No : W6511357

Report No : 6511-1769

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65111270

Sample Name : Effluent

Sampling Date : 14/11/2022

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 15/11/2022

Tested Date : 15/11/2022 - 19/11/2022

Reported Date : 23/11/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	133	

Physical Apperance : 1. Sample : lightly SS

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

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

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

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

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

23/11/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6511498

Report No : 6512-0250


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 : 22/11/2022 - 26/11/2022

Sample No : W 65111669
Sampling Date : 21/11/2022**
Sampling Time : 8:40 AM**
Received Date : 22/11/2022
Reported Date : 07/12/2022


Parameter	Unit	Method	Result	Standard ¹
Arsenic*	mg/l	Digestion, Inductively Coupled Plasma Method	< 0.10	≤ 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, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25
Lead @	mg/l	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤ 0.2

Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L(3 Bottle) , PE 1.0 L, PE 1.8 L , G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by 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 (Kroha Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
07/12/2022



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
07/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511498


Report No : 6512-0250

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 : 22/11/2022 - 26/11/2022
Sample No : W 65111669
Sampling Date : 21/11/2022**
Sampling Time : 8:40 AM**
Received Date : 22/11/2022
Reported Date : 07/12/2022

Parameter	Unit	Method	Result	Standard/1
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	28	≤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)	9	≤50
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.90	≤5


Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L(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. ** = These data are non laboratory data.
6. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Kroha Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
07/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
07/12/2022

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TEST REPORT

Request No. : W6511603 , W6512482

Report No. : 6512-1864-1 , 6512-1865

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No. : W 65112013 , W 65121616

Sample Name : Effluent

Sampling Date : 28/11/2022, 19/12/2022

Sampling By : ETC

Sampling Time : 11:05 AM , 11:30 AM

Sampling Method : Grab

Received Date : 29/11/2022 , 20/12/2022

Tested Date : 29/11/2021 - 05/12/2022

Reported Date : 29/12/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand # ^{1/2}	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.3	≤20
Chemical Oxygen Demand # ^{1/2}	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	58	≤120
Oil and Grease ^{@ 1/2}	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	716	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	18	≤100
Total Suspended Solids # ^{1/2}	mg/l	Dried at 103-105 C (SM:2540D)	16	≤50

Physical Appearance : 1. Sample : yellowish , lightly SS

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

- Remark :
1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
 2. /2 Sample No. W65121616 : Sampling Date 19/12/2022 (11:30 AM) : Tested Date 20/12/2022 - 24/12/2022
 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 Miss Pornpinan Viriyakusolkul (จ-003-จ-8334) *
 6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

Examined By

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

29/12/2022

SUPPLEMENTARY TEST REPORT NO. 6512-1864



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

29/12/2022

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : Amata City Rayong Co.,Ltd.

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample Name : Effluent

Sampling By : ETC

Sampling Method : Grab

Tested Date : 29/11/2022 - 05/12/2022

Request No : W6511603

Report No : 6512-1864

Sample No : W 65112013

Sampling Date : 28/11/2022

Sampling Time : 11:05 AM

Received Date : 29/11/2022

Reported Date : 29/12/2022

Parameter	Unit	Method	Result	Standard/ ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	110	-

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. ##ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofta Plant)

5. Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By :

(Miss Apiradee Chuen-arom)

29/12/2022

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Test Report

Request No : W6512122

Report No : 66021-0530

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65120559

Sample Name : Effluent**

Sampling Date : 05/12/2022**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 06/12/2022

Tested Date : 06/12/2022 - 15/12/2022

Reported Date : 09/01/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Arsenic*	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.10	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.6	≤20
Cadmium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03	≤0.03
Copper @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	<0.050	≤0.25
Lead @	mg/l	Digestion,Inductively Coupled Plasma (SM:3030F, 3120B)	<0.03	≤0.2

Physical Apperance : 1. Sample : 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 (จ-003-ก-7279)*

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
09/01/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
09/01/2023

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Test Report

Request No : W6512122

Report No : 66021-0530

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

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

Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##

Sample No : W 65120559

Sample Name : Effluent**

Sampling Date : 05/12/2022**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 06/12/2022

Tested Date : 06/12/2022 - 15/12/2022

Reported Date : 09/01/2023

Parameter	Unit	Method	Result	Standard ¹
Mercury *	mg/l	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤ 40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,832	≤ 3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	< 5	≤ 50
Zinc @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.45	≤ 5

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L (3 Bottle) , PE 1.0 L , PE 1.8 L , G 1.0 L]

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

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

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

3. Miss Apiradee Chuen-arom is Section Head / 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. ## ระบบบำบัดน้ำเสียส่วนกลางที่ชีวภาพ แห่งที่ 2 (Kraha Plant)**

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
09/01/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
09/01/2023

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Test Report

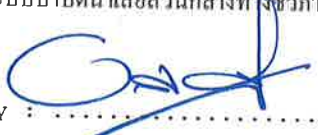
Customer : Amata City Rayong Co.,Ltd.**
Address : 7 Moo 3, Bowin, Sriracha, Chonburi 20230**
Sampling Source : ระบบบำบัดน้ำเสียส่วนกลาง : แห่งที่ 2 ##
Sample Name : Effluent**
Sampling By : ETC**
Sampling Method : Grab**
Tested Date : 13/12/2022 - 20/12/2022

Request No : W6512320
Report No : 6512-1471
Sample No : W 65121188
Sampling Date : 12/12/2022**
Sampling Time : 10:50 AM**
Received Date : 13/12/2022
Reported Date : 22/12/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.5	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	58	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	33	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	904	≤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)	9	≤50

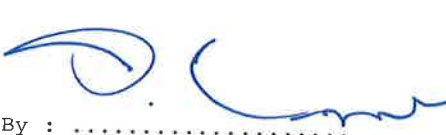
Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /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. ** = These data are non laboratory data.
6. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ แห่งที่ 2 (Krofa Plant)**

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
22/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ค-2205)
22/12/2022

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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 : 13/12/2022 - 20/12/2022

Request No : W6512320
Report No : 6512-1471
Sample No : W 65121188
Sampling Date : 12/12/2022
Sampling Time : 10:50 AM
Received Date : 13/12/2022
Reported Date : 22/12/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	158	-

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /1 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)
22/12/2022

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