

Request No. ATR6603024

Report No. 6603-0474 - 6603-0476

TEST REPORT

CUSTOMER : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด
ADDRESS : 88 ม. 3 ท่าเรือแหลมฉบังท่าที่ A2 ต.ทุ่งสุขลา อ. ศรีราชา จ. ชลบุรี 20230
SAMPLE SOURCE : ท่าเรือ A2
SAMPLE NAME : บริเวณท่าเรือ A2
RECEIVED DATE : 14/03/2023 SAMPLE NO. : A66030474 - A66030476
TESTED DATE : 14/03/2023-18/03/2023 REPORTED DATE : 20/03/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	09-10/03/2023	0.112	0.33	mg/m ³
		10-11/03/2023	0.116	0.33	mg/m ³
		11-12/03/2023	0.094	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)

20/03/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Request No. LA66-R0336

Report No. R6603-0717 - R6603-0719

TEST REPORT

CUSTOMER : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด
ADDRESS : 88 ม. 3 ท่าเรือแหลมฉบังท่าที่ A2 ต.ทุ่งสุขลา อ.ศรีราชา จ.ชลบุรี 20230
SAMPLE SOURCE : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด
SAMPLE POINT : ท่าเรือ A2
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 5702

SAMPLE NO. : 02653-02655
SAMPLING DATE : 09-12/03/2023
RECEIVED DATE : 12/03/2023
REPORTED DATE : 15/03/2023

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

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

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

15/03/2023

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Request No. LA66-R0336

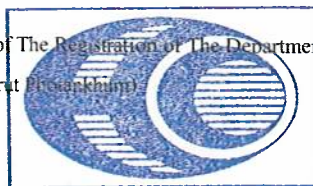
Report No. R6603-0720 - R6603-0722

TEST REPORT

CUSTOMER : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด
ADDRESS : 88 ม. 3 ท่าเรือแหลมฉบังท่าที่ A2 ต.ทุ่งสุขลา อ.ศรีราชา จ.ชลบุรี 20230
SAMPLE SOURCE : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด
SAMPLE POINT : ท่าเรือ A2
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 7355

SAMPLE NO. : 02656-02658
SAMPLING DATE : 09-12/03/2023
RECEIVED DATE : 12/03/2023
REPORTED DATE : 15/03/2023

TIME / DATE	09-10/03/2023	10-11/03/2023	11-12/03/2023	UNIT
10:00 - 11:00 ²	0.010	0.014	0.008	ppm
11:00 - 12:00	0.012	0.011	0.008	ppm
12:00 - 13:00	0.016	0.014	0.008	ppm
13:00 - 14:00	0.011	0.014	0.007	ppm
14:00 - 15:00	0.015	0.017	0.007	ppm
15:00 - 16:00	0.013	0.019	0.008	ppm
16:00 - 17:00	0.011	0.023	0.007	ppm
17:00 - 18:00	0.013	0.019	0.007	ppm
18:00 - 19:00	0.013	0.012	0.007	ppm
19:00 - 20:00	0.014	0.011	0.007	ppm
20:00 - 21:00	0.015	0.009	0.007	ppm
21:00 - 22:00	0.015	0.009	0.008	ppm
22:00 - 23:00	0.014	0.008	0.008	ppm
23:00 - 00:00	0.009	0.006	0.008	ppm
00:00 - 01:00	0.014	0.014	0.008	ppm
01:00 - 02:00	0.011	0.008	0.008	ppm
02:00 - 03:00	0.011	0.008	0.008	ppm
03:00 - 04:00	0.012	0.008	0.008	ppm
04:00 - 05:00	0.011	0.009	0.008	ppm
05:00 - 06:00	0.011	0.009	0.009	ppm
06:00 - 07:00	0.014	0.009	0.009	ppm
07:00 - 08:00	0.017	0.009	0.009	ppm
08:00 - 09:00	0.013	0.008	0.009	ppm
09:00 - 10:00	0.011	0.008	0.009	ppm
Maximum 1 hr.	0.017	0.023	0.009	ppm
Average 24 hr.	0.013	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. Tummarat Prasankhump)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

15/03/2023

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แผนผังทิศทางและความเร็วลม

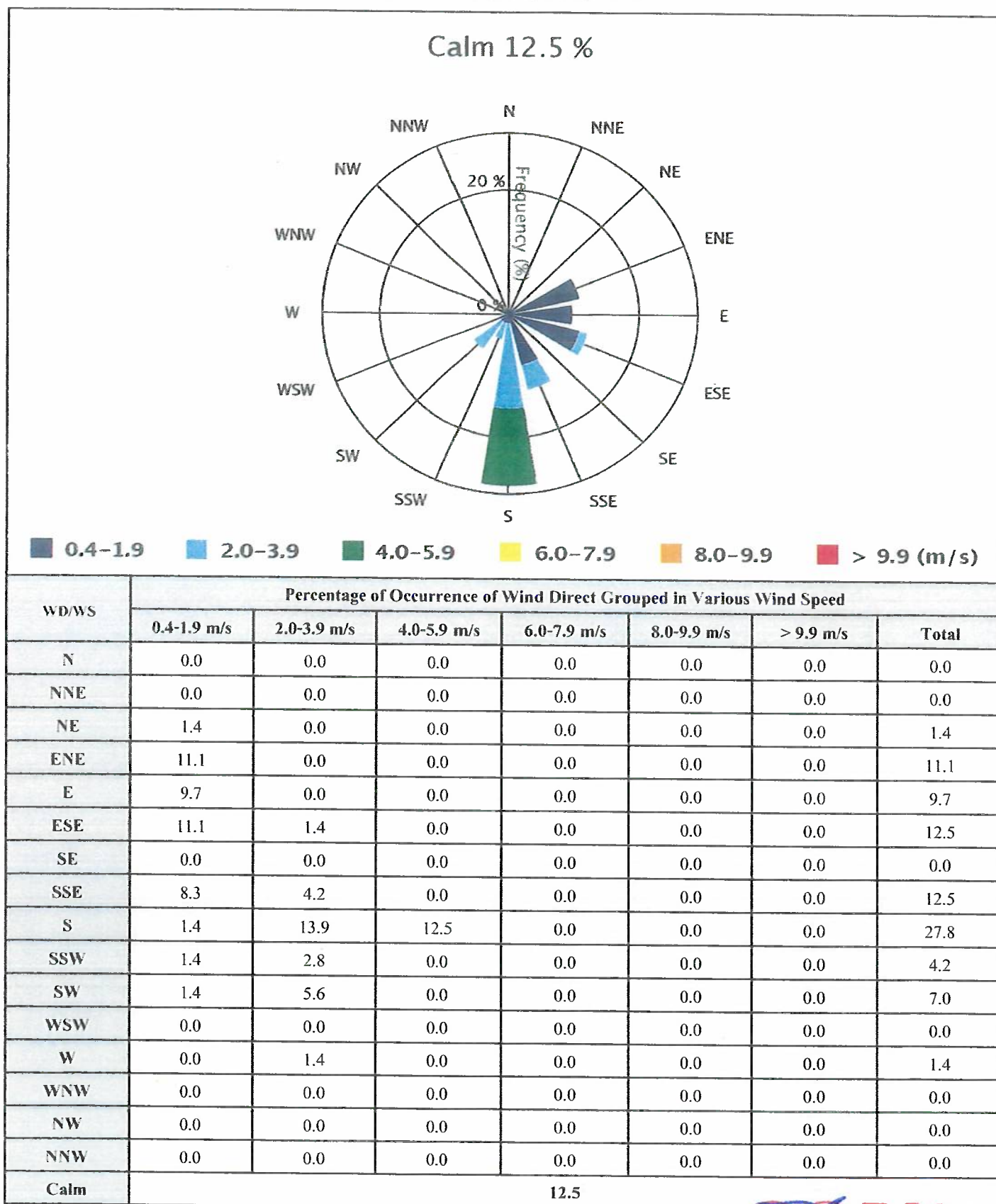
Request No. LA66-R0336

บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด

Sample No. 02659

จุดตรวจวัด : ท่าเรือ A2

วันที่ตรวจวัด : 9-12 มีนาคม 2566



COPY

แผนผังทิศทางและความเร็วลม

Request No. LA66-R0336

บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด

Sample No. 02659

จุดตรวจวัด : ท่าเรือ A2

วันที่ตรวจวัด : 9-12 มีนาคม 2566

เวลา	9-10 มีนาคม 2566		10-11 มีนาคม 2566		11-12 มีนาคม 2566	
	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม
10:00-11:00	0.0	-	0.0	-	2.2	ESE
11:00-12:00	0.4	E	1.3	SSW	1.8	ESE
12:00-13:00	1.8	S	1.8	SW	2.2	S
13:00-14:00	2.7	SSW	2.2	W	3.6	S
14:00-15:00	2.7	SSW	2.7	SW	3.6	S
15:00-16:00	2.7	SW	2.7	SW	4.0	S
16:00-17:00	3.1	S	2.7	SW	4.5	S
17:00-18:00	4.0	S	4.0	S	4.0	S
18:00-19:00	3.1	S	3.1	S	4.0	S
19:00-20:00	2.7	S	2.7	SSE	4.0	S
20:00-21:00	2.2	SSE	2.7	S	4.5	S
21:00-22:00	1.8	SSE	2.2	SSE	4.5	S
22:00-23:00	1.8	SSE	1.8	SSE	2.7	S
23:00-00:00	1.3	SSE	1.8	SSE	2.2	S
00:00-01:00	0.9	ENE	1.3	SSE	1.3	ESE
01:00-02:00	1.3	ENE	0.4	E	1.3	ESE
02:00-03:00	0.9	ENE	0.0	-	1.3	ESE
03:00-04:00	0.4	E	0.0	-	1.8	ESE
04:00-05:00	0.9	E	0.0	-	1.8	ESE
05:00-06:00	0.9	NE	0.4	ENE	1.8	ESE
06:00-07:00	0.9	ENE	0.4	ENE	0.4	ESE
07:00-08:00	0.4	ENE	0.0	-	0.9	E
08:00-09:00	0.0	-	0.9	E	0.0	-
09:00-10:00	0.0	-	1.3	E	0.4	ENE

Test Report

Customer : Thai Laemchabang Terminal Co.,Ltd. **

Address : 88 Moo. 3 Thungsukhla , Sriracha , Chonburi 20230 **

Sampling Source : ท่าเรือ A2 **

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย ## **

Sampling By : ETC **

Sampling Method : Grab **

Tested Date : 23/03/2023 - 05/04/2023

Sample No : W 66032110

Sampling Date : 22/03/2023 **

Sampling Time : 10:30 AM **

Received Date : 23/03/2023

Reported Date : 05/04/2023

Request No : W 6603518

Report No : 6604-0399

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	7.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	34	≤40
Total Dissolved Solids [#]	mg/L	Dried at 180 C (SM:2540C)	286	≤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)	< 5	≤50

Physical Apperance : 1. Sample : yellow , lightly SS

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

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

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

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

3. Miss Apiradce 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-ก-7280) *

5. ## บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)

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

Examined By :

(Miss Apiradce Chuen-arom)

(ว-003-ก-4377)

05/04/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ก-2205)

05/04/2023

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Test Report

Request No : W6603518

Report No : 6604-0399

Customer : Thai Laemchabang Terminal Co.,Ltd.

Address : 88 Moo. 3 Thungsukhla, Sriracha, Chonburi 20230

Sampling Source : ท่าเรือ A2

Sample No : W 66032110

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย ##

Sampling Date : 22/03/2023

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 23/03/2023

Tested Date : 23/03/2023 - 05/04/2023

Reported Date : 05/04/2023

Parameter	Unit	Method	Result	Standard ¹
Conductivity	10 ⁻⁶ S/cm	Laboratory Method (SM:2510B)	425	-
Flow Rate	m ³ /day	Calculation Method	not available	-
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	1.14	-

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. ## บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)

5. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

05/04/2023

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Test Report

Request No : W6606608

Customer : Thai Laemchabang Terminal Co.,Ltd. **

Report No : 6607-0172

Address : 88 Moo. 3 Thungsukhla, Sriracha, Chonburi 20230 **

Sampling Source : ท่าเรือ A2 **

Sample No : W 66062264

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย ## **

Sampling Date : 23/06/2023 **

Sampling By : ETC **

Sampling Time : 10:25 AM **

Sampling Method : Grab **

Received Date : 24/06/2023

Tested Date : 26/06/2023 - 30/06/2023

Reported Date : 05/07/2023

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.5	≤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	5.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	264	≤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)	5	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS

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

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


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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Nitchaphon Tonglor (1-003-ท-5638) *

5. ## บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)

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

Examined By : 

(Miss Apiradee Chuen-arom)

(1-003-ท-4377)

05/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Approved By : 

(Miss Nunnaphat Bakhuntod)

(1-003-ท-4367)

05/07/2023

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Test Report

Request No : W6606608

Report No : 6607- 0172

Customer : Thai Laemchabang Terminal Co.,Ltd.

Address : 88 Moo. 3 Thungsukhla, Sriracha, Chonburi 20230

Sampling Source : ท่าเรือ A2

Sample No : W 66062264

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย ##

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 10:25 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 26/06/2023 - 30/06/2023

Reported Date : 05/07/2023

Parameter	Unit	Method	Result	Standard ¹
Conductivity	10 ⁻⁶ S/cm	Laboratory Method (SM:2510B)	378	-
Flow Rate	m ³ /day	Calculation Method	not available	-
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.07	-

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. ## บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)

5. Sampling By Mr. Nitchaphon Tonglor (3-003-8-5638)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Examined By :

(Miss Apiradee Chuen-arom)

05/07/2023

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Test Report

Request No : W6603518

Report No : 6604-0398

Customer : Thai Laemchabang Tenninal Co.,Ltd. **

Address : 88 Moo. 3 Thungsukhla , Sriracha , Chonburi 20230 **

Sampling Source : ท่าเรือ A2 **

Sample No : W 66032109

Sample Name : น้ำก่อนเข้าระบบบำบัด (ดีก Admin) **

Sampling Date : 22/03/2023 **

Sampling By : ETC **

Sampling Time : 10:25 AM **

Sampling Method : Grab **

Received Date : 23/03/2023

Tested Date : 23/03/2023 - 01/04/2023

Reported Date : 05/04/2023

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	16.4
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	64
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.4
Temperature *	°C	Laboratory and Field Method	32
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	230
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	24
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	6

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

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

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

3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (3-003-ก-7280) *

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

Examined By :

(Miss Apiradee Chuen-arom)

(3-003-ก-4377)

05/04/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Approved By :

(Mr. Kawee Suthasub)

(3-003-ก-2205)

05/04/2023

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Test Report

Request No : W6603518

Report No : 6604-0398

Customer : Thai Laemchabang Terminal Co.,Ltd.

Address : 88 Moo. 3 Thungsukhla, Sriracha, Chonburi 20230

Sampling Source : ท่าเรือ A2

Sample No : W 66032109

Sample Name : น้ำก่อนเข้าระบบบำบัด (ตึก Admin)

Sampling Date : 22/03/2023

Sampling By : ETC

Sampling Time : 10:25 AM

Sampling Method : Grab

Received Date : 23/03/2023

Tested Date : 23/03/2023 - 01/04/2023

Reported Date : 05/04/2023

Parameter	Unit	Method	Result
Conductivity	10 ⁻⁶ S/cm	Laboratory Method (SM:2510B)	473
Flow Rate	m ³ /day	Calculation Method	not available
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.05

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

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

3. Sampling By Mr. Parkpoom Buasawad (1-003-ก-7280)



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Examined By : 

(Miss Apiradee Chuen-arom)

05/04/2023

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ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

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

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



TESTING
No.0159

Test Report

Request No : W6606608

Report No : 6607-0171

Customer : Thai Laemchabang Terminal Co.,Ltd. **

Address : 88 Moo.3 Thungsukhla, Sriracha, Chonburi 20230 **

Sampling Source : ท่าเรือ A2 **

Sample No : W 66062263

Sample Name : น้ำก่อนเข้าระบบบำบัด (ตึก Admin) **

Sampling Date : 23/06/2023 **

Sampling By : ETC **

Sampling Time : 10:20 AM **

Sampling Method : Grab **

Received Date : 24/06/2023

Tested Date : 26/06/2023 - 04/07/2023

Reported Date : 05/07/2023

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	15.1
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	57
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.4
Temperature *	°C	Laboratory and Field Method	28
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	238
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	34
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	< 5

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

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

3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Nitchaphon Tonglor (จ-003-จ-5638) *

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

05/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

05/07/2023

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Test Report

Request No : W6606608

Report No : 6607-0171

Customer : Thai Laemchabang Terminal Co.,Ltd.

Address : 88 Moo. 3 Thungsukhla, Sriracha, Chonburi 20230

Sampling Source : ท่าเรือ A2

Sample No : W 66062263

Sample Name : น้ำก่อนเข้าระบบบำบัด (ดัก Admin)

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 26/06/2023 - 04/07/2023

Reported Date : 05/07/2023

Parameter	Unit	Method	Result
Conductivity	10 ⁻⁶ S/cm	Laboratory Method (SM:2510B)	585
Flow Rate	m ³ /day	Calculation Method	not available
Phosphorus	mg/L as P	Ascorbic Acid Method (SM:4500 -P B)	2.37

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

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

3. Sampling By Mr. Nitchaphon Tonglor (๖-003-๖-5638)



Examined By :

(Miss Apiradee Chuen-arom)

05/07/2023

REPORTED TEST RESULT TO SUBMITTED SAMPLES ONLY
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Request No. W6604483

Report No. 6606-0062

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 1
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041771
Sampling Date : 21/04/2023
Sampling Time : 9:30 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter	Unit	Method	Result	Standard ¹⁾
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	3.0	-
Coliform Bacteria	MPN : 100 mL	MPN Test	31	≤ 1000
Conductivity	10 ⁻⁶ S/cm	Laboratory	43,020	-
Dissolved Oxygen	mg/L	Membrane Electrode	4.4	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.3	7.0-8.5
Salinity	ppt	Electrical Conductivity	27.56	▽
Suspended Solid	mg/L	Dried at 103-105 degree celsius	13	△△
Temperature	°C	Laboratory and Field	33	△
Transparency	m	Secchi Disc	0.8	▽▽

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. △ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกิน 2°C จากสภาพธรรมชาติ
4. △△ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกินผลรวมค่าเฉลี่ย 1 วันหรือ 1 เดือนหรือ 1 ปี บวกกับค่าเบี่ยงเบนมาตรฐานของค่าเฉลี่ยนั้น ๆ
5. ▽ = เปลี่ยนแปลงไม่เกินร้อยละ 10 ของค่าความเค็มต่ำสุด
6. ▽▽ = เปลี่ยนแปลงลดลงจากสภาพธรรมชาติไม่เกิน 10 % จากค่าความโปร่งใสต่ำสุด
7. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-7280)



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REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0063

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2 Sample No. : W66041772
Sample Name : สถานีที่ 2 Sampling Date : 21/04/2023
Sampling By : ETC Sampling Time : 9:25 AM
Sampling Method : Grab Received Date : 22/04/2023
Tested Date : 22/04/2023 – 26/05/2023 Reported Date : 01/06/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 mL	MPN Test	49	≤ 1000
Conductivity	10 ⁻⁶ S/cm	Laboratory	42,820	-
Dissolved Oxygen	mg/L	Membrane Electrode	4.8	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.2	7.0-8.5
Salinity	ppt	Electrical Conductivity	27.57	▽
Suspended Solid	mg/L	Dried at 103-105 degree celsius	< 5	△△
Temperature	°C	Laboratory and Field	32	△
Transparency	m	Secchi Disc	2.0	▽▽

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. △ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกิน 2°C จากสภาพธรรมชาติ
4. △△ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกินผลรวมค่าเฉลี่ย 1 วันหรือ 1 เดือนหรือ 1 ปี บวกกับค่าเบี่ยงเบนมาตรฐานของค่าเฉลี่ยนั้น ๆ
5. ▽ = เปลี่ยนแปลงไม่เกินร้อยละ 10 ของค่าความเค็มต่ำสุด
6. ▽▽ = เปลี่ยนแปลงลดลงจากสภาพธรรมชาติไม่เกิน 10 % จากค่าความโปร่งใสต่ำสุด
7. Sampling By Mr. Parkpoom Buasawad (๖-003-๓-7280)



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Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0064

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
 Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
 Sampling Source : ท่าเรือ A2 Sample No. : W66041773
 Sample Name : สถานีที่ 3 Sampling Date : 21/04/2023
 Sampling By : ETC Sampling Time : 10:20 AM
 Sampling Method : Grab Received Date : 22/04/2023
 Tested Date : 22/04/2023 – 26/05/2023 Reported Date : 01/06/2023

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 mL	MPN Test	23	≤ 1000
Conductivity	10 ⁻⁶ S/cm	Laboratory	42,560	-
Dissolved Oxygen	mg/L	Membrane Electrode	4.1	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.3	7.0-8.5
Salinity	ppt	Electrical Conductivity	27.45	▽
Suspended Solid	mg/L	Dried at 103-105 degree celsius	< 5	△△
Temperature	°C	Laboratory and Field	32	△
Transparency	m	Secchi Disc	1.5	▽▽

Physical Apperance : 1. Sample : lightly SS
 2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
 2. Parameter Outside The Scope of The Registration of Department of Industrial Works
 3. △ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกิน 2°C จากสภาพธรรมชาติ
 4. △△ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกินผลรวมค่าเฉลี่ย 1 วันหรือ 1 เดือนหรือ 1 ปี บวกกับค่าเบี่ยงเบนมาตรฐานของค่าเฉลี่ยนั้น ๆ
 5. ▽ = เปลี่ยนแปลงไม่เกินร้อยละ 10 ของค่าความเค็มต่ำสุด
 6. ▽▽ = เปลี่ยนแปลงลดลงจากสภาพธรรมชาติไม่เกิน 10 % จากค่าความโปร่งใสต่ำสุด
 7. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-7280)



Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0065

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2 Sample No. : W66041774
Sample Name : สถานีที่ 4 Sampling Date : 21/04/2023
Sampling By : ETC Sampling Time : 9:20 AM
Sampling Method : Grab Received Date : 22/04/2023
Tested Date : 22/04/2023 – 26/05/2023 Reported Date : 01/06/2023

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 mL	MPN Test	79	≤ 1000
Conductivity	10 ⁻⁶ S/cm	Laboratory	42,400	-
Dissolved Oxygen	mg/L	Membrane Electrode	4.7	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	7.7	7.0-8.5
Salinity	ppt	Electrical Conductivity	27.46	▽
Suspended Solid	mg/L	Dried at 103-105 degree celsius	5	△△
Temperature	°C	Laboratory and Field	32	△
Transparency	m	Secchi Disc	1.2	▽▽

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. △ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกิน 2°C จากสภาพธรรมชาติ
4. △△ = มีค่าเปลี่ยนแปลงเพิ่มขึ้นไม่เกินผลรวมค่าเฉลี่ย 1 วันหรือ 1 เดือนหรือ 1 ปี บวกกับค่าเบี่ยงเบนมาตรฐานของค่าเฉลี่ยนั้น ๆ
5. ▽ = เปลี่ยนแปลงไม่เกินร้อยละ 10 ของค่าความเค็มต่ำสุด
6. ▽▽ = เปลี่ยนแปลงลดลงจากสภาพธรรมชาติไม่เกิน 10 % จากค่าความโปร่งใสต่ำสุด
7. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-7280)



Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Request No. W6604483

Report No. 6606-0062

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsukhla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2 Sample No. : W66041771
Sample Name : สถานีที่ 1 Sampling Date : 21/04/2023
Sampling By : ETC Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 22/04/2023
Tested Date : 22/04/2023 – 26/05/2023 Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Cyanophyta				
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	160	-
Division Chromophyta				
<i>Actinopterychus</i> sp.	cell/L	Counting Chamber	8	-
<i>Alexandrium</i> sp.	cell/L	Counting Chamber	8	-
<i>Amphora</i> sp.	cell/L	Counting Chamber	53	-
<i>Asterionellopsis</i> sp.	cell/L	Counting Chamber	3	-
<i>Asterolampra</i> sp.	cell/L	Counting Chamber	19	-
<i>Asteromphalia</i> sp.	cell/L	Counting Chamber	8	-
<i>Bacillaria</i> sp.	cell/L	Counting Chamber	85	-
<i>Bacteriastrum</i> sp.	cell/L	Counting Chamber	74	-
<i>Bellerochea</i> sp.	cell/L	Counting Chamber	11	-
<i>Cerataulina</i> sp.	cell/L	Counting Chamber	3,884	-
<i>Ceratium</i> sp.	cell/L	Counting Chamber	61	-
<i>Chaetoceros</i> sp.	cell/L	Counting Chamber	2,979	-
<i>Corethron</i> sp.	cell/L	Counting Chamber	96	-
<i>Coscinodiscus</i> sp.	cell/L	Counting Chamber	160	-
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	32	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) . PE 1.8 L . G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buesawad (0-003-8-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0062

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 1
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041771
Sampling Date : 21/04/2023
Sampling Time : 9:30 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Ditylum</i> sp.	cell/L	Counting Chamber	40	-
<i>Entomoneis</i> sp.	cell/L	Counting Chamber	16	-
<i>Eucampia</i> sp.	cell/L	Counting Chamber	692	-
<i>Guinardia</i> sp.	cell/L	Counting Chamber	7.235	-
<i>Haslea</i> sp.	cell/L	Counting Chamber	3	-
<i>Hemiaulus</i> sp.	cell/L	Counting Chamber	3.352	-
<i>Lauderia</i> sp.	cell/L	Counting Chamber	239	-
<i>Lyrella</i> sp.	cell/L	Counting Chamber	5	-
<i>Meunier</i> sp.	cell/L	Counting Chamber	8	-
<i>Navicula</i> sp.	cell/L	Counting Chamber	11	-
<i>Nitzschia</i> sp.	cell/L	Counting Chamber	69	-
<i>Odontella</i> sp.	cell/L	Counting Chamber	319	-
<i>Palmeria</i> sp.	cell/L	Counting Chamber	5	-
<i>Paralia</i> sp.	cell/L	Counting Chamber	21	-
<i>Pinnularia</i> sp.	cell/L	Counting Chamber	29	-
<i>Planktoniella</i> sp.	cell/L	Counting Chamber	3	-
<i>Pleurosigma</i> sp.	cell/L	Counting Chamber	1.170	-
<i>Proboscia</i> sp.	cell/L	Counting Chamber	202	-
<i>Prorocentrum</i> sp.	cell/L	Counting Chamber	43	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (๖-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0062

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 1
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041771
Sampling Date : 21/04/2023
Sampling Time : 9:30 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Protoperdinium</i> sp.	cell/L	Counting Chamber	24	-
<i>Pseudo-nitzschia</i> sp.	cell/L	Counting Chamber	45	-
<i>Pseudosolenia</i> sp.	cell/L	Counting Chamber	11	-
<i>Rhizosolenia</i> sp.	cell/L	Counting Chamber	798	-
<i>Skeletonema</i> sp.	cell/L	Counting Chamber	27	-
<i>Stephanodiscus</i> sp.	cell/L	Counting Chamber	64	-
<i>Surirella</i> sp.	cell/L	Counting Chamber	2,075	-
<i>Thalassionema</i> sp.	cell/L	Counting Chamber	106	-
<i>Thalassiosira</i> sp.	cell/L	Counting Chamber	213	-
<i>Trachyneis</i> sp.	cell/L	Counting Chamber	3	-
<i>Triceratium</i> sp.	cell/L	Counting Chamber	35	-

Total Genus	cell/L	46	-
Total Phytoplankton	cell/L	24,504	-
Diversity Index	cell/L	2.26	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) . PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Request No. W6604483

Report No. 6606-0062

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsohla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2 Sample No. : W66041771
Sample Name : สถานีที่ 1 Sampling Date : 21/04/2023
Sampling By : ETC Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 22/04/2023
Tested Date : 22/04/2023 – 26/05/2023 Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Zooplankton				
Phylum Protozoa				
<i>Favella</i> sp.	ind./L	Counting Chamber	3	-
<i>Globorotalia</i> sp.	ind./L	Counting Chamber	11	-
<i>Leprotintinnus</i> sp.	ind./L	Counting Chamber	5	-
<i>Stenosemella</i> sp.	ind./L	Counting Chamber	3	-
<i>Tintinnopsis</i> sp.	ind./L	Counting Chamber	64	-
Phylum Annelida				
Polychaete larvae	ind./L	Counting Chamber	32	-
Phylum Arthropoda				
Calanoid copepod	ind./L	Counting Chamber	8	-
Copepod nauplius	ind./L	Counting Chamber	114	-
Cyclopoid copepod	ind./L	Counting Chamber	8	-
Phylum Mollusca				
Pelecypod larvae	ind./L	Counting Chamber	3	-
Phylum Chordata				
<i>Oikopleura</i> sp.	ind./L	Counting Chamber	5	-
Total Genus	ind./L		11	-
Total Zooplankton	ind./L		256	-
Diversity Index	ind./L		1.63	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) . PE 1.8 L . G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) . Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (๖-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0062

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 1
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023

Sample No. : W66041771
Sampling Date : 21/04/2023
Sampling Time : 9:30 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Benthos	ind./m ²	Counting Chamber	ND	-

Total Genus	ind./m ²	-	-
Total Benthos	ind./m ²	ND	-
Diversity Index	ind./m ²	-	-

Physical Appearance : 1. Sample : -
2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)
4. ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0063

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsukhla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 2
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041772
Sampling Date : 21/04/2023
Sampling Time : 9:25 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Cyanophyta				
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	44	-
<i>Pseudanabaena</i> sp.	cell/L	Counting Chamber	29	-
Division Chromophyta				
<i>Amphora</i> sp.	cell/L	Counting Chamber	292	-
<i>Asterolampra</i> sp.	cell/L	Counting Chamber	339	-
<i>Asteromphalus</i> sp.	cell/L	Counting Chamber	7	-
<i>Bacillaria</i> sp.	cell/L	Counting Chamber	18	-
<i>Bacteriastrium</i> sp.	cell/L	Counting Chamber	274	-
<i>Bellerochea</i> sp.	cell/L	Counting Chamber	88	-
<i>Cerataulina</i> sp.	cell/L	Counting Chamber	4,161	-
<i>Ceratium</i> sp.	cell/L	Counting Chamber	131	-
<i>Chaetoceros</i> sp.	cell/L	Counting Chamber	5,110	-
<i>Corethron</i> sp.	cell/L	Counting Chamber	58	-
<i>Coscinodiscus</i> sp.	cell/L	Counting Chamber	124	-
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	55	-
<i>Cylindrotheca</i> sp.	cell/L	Counting Chamber	26	-
<i>Dinophysis</i> sp.	cell/L	Counting Chamber	26	-
<i>Ditylum</i> sp.	cell/L	Counting Chamber	303	-

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) . PE 1.8 L . G 0.2 L]

Remark : 1. /I Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) . Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0063

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 2
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041772
Sampling Date : 21/04/2023
Sampling Time : 9:25 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Eucampia</i> sp.	cell/L	Counting Chamber	1,898	-
<i>Gonyaulax</i> sp.	cell/L	Counting Chamber	11	-
<i>Guinardia</i> sp.	cell/L	Counting Chamber	12,775	-
<i>Gymnodinium</i> sp.	cell/L	Counting Chamber	7	-
<i>Gyrodinium</i> sp.	cell/L	Counting Chamber	4	-
<i>Haslea</i> sp.	cell/L	Counting Chamber	11	-
<i>Helicotheca</i> sp.	cell/L	Counting Chamber	124	-
<i>Hemiaulus</i> sp.	cell/L	Counting Chamber	6,424	-
<i>Lauderia</i> sp.	cell/L	Counting Chamber	310	-
<i>Meunier</i> sp.	cell/L	Counting Chamber	26	-
<i>Navicula</i> sp.	cell/L	Counting Chamber	11	-
<i>Odontella</i> sp.	cell/L	Counting Chamber	183	-
<i>Paralia</i> sp.	cell/L	Counting Chamber	7	-
<i>Pleurosigma</i> sp.	cell/L	Counting Chamber	365	-
<i>Proboscia</i> sp.	cell/L	Counting Chamber	584	-
<i>Prorocentrum</i> sp.	cell/L	Counting Chamber	15	-

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0063

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 2
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041772
Sampling Date : 21/04/2023
Sampling Time : 9:25 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
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Phytoplankton

Division Chromophyta

<i>Protoperdinium</i> sp.	cell/L	Counting Chamber	146	-
<i>Pseudo-nitzschia</i> sp.	cell/L	Counting Chamber	135	-
<i>Pseudosolenia</i> sp.	cell/L	Counting Chamber	22	-
<i>Pyrophacus</i> sp.	cell/L	Counting Chamber	7	-
<i>Rhizosolenia</i> sp.	cell/L	Counting Chamber	1,533	-
<i>Skeletonema</i> sp.	cell/L	Counting Chamber	29	-
<i>Stephanodiscus</i> sp.	cell/L	Counting Chamber	15	-
<i>Surirella</i> sp.	cell/L	Counting Chamber	329	-
<i>Thalassionema</i> sp.	cell/L	Counting Chamber	128	-
<i>Thalassiosira</i> sp.	cell/L	Counting Chamber	318	-
<i>Triceratium</i> sp.	cell/L	Counting Chamber	7	-

Total Genus	cell/L	44	-
Total Phytoplankton	cell/L	36,509	-
Diversity Index	cell/L	2.13	-

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (๖-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By 

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0063

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsukhla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2 Sample No. : W66041772
Sample Name : สถานีที่ 2 Sampling Date : 21-04-2023
Sampling By : ETC Sampling Time : 9:25 AM
Sampling Method : Grab Received Date : 22/04/2023
Tested Date : 22/04/2023 – 26/05/2023 Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Zooplankton				
Phylum Protozoa				
<i>Globozoa</i> sp.	ind./L	Counting Chamber	4	-
<i>Leprotintinnus</i> sp.	ind./L	Counting Chamber	4	-
<i>Metacylis</i> sp.	ind./L	Counting Chamber	7	-
<i>Stenosemella</i> sp.	ind./L	Counting Chamber	4	-
<i>Tintinnopsis</i> sp.	ind./L	Counting Chamber	99	-
Phylum Rotifera				
<i>Trichocerca</i> sp.	ind./L	Counting Chamber	4	-
Phylum Annelida				
Polychaete laevae	ind./L	Counting Chamber	51	-
Phylum Arthropoda				
Copepod nauplius	ind./L	Counting Chamber	193	-
Cyclopoid copepod	ind./L	Counting Chamber	4	-
Phylum Mollusca				
Pelecypod larvae	ind./L	Counting Chamber	7	-
Phylum Chordata				
<i>Oikopleura</i> sp.	ind./L	Counting Chamber	44	-

Total Genus	ind./L	11	-
Total Zooplankton	ind./L	421	-
Diversity Index	ind./L	1.55	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /I Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5

2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parknongkham (Signature)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By (Signature)

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0063

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Turgsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 2
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041772
Sampling Date : 21/04/2023
Sampling Time : 9:25 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Benthos	ind./m ²	Counting Chamber	ND	-

Total Genus	ind./m ²	-	-
Total Benthos	ind./m ²	ND	-
Diversity Index	ind./m ²	-	-

Physical Appearance : 1. Sample : -
2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /I Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)
4. ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0064

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsookhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 3
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041773
Sampling Date : 21/04/2023
Sampling Time : 10:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Phytoplankton				
Division Cyanophyta				
<i>Pseudanabaena</i> sp.	cell/L	Counting Chamber	11	-
<i>Richelia</i> sp.	cell/L	Counting Chamber	48	-
Division Chromophyta				
<i>Actinopterychus</i> sp.	cell/L	Counting Chamber	26	-
<i>Amphora</i> sp.	cell/L	Counting Chamber	221	-
<i>Asterolampra</i> sp.	cell/L	Counting Chamber	177	-
<i>Asteromphalus</i> sp.	cell/L	Counting Chamber	26	-
<i>Bacillaria</i> sp.	cell/L	Counting Chamber	196	-
<i>Bacteriastrium</i> sp.	cell/L	Counting Chamber	170	-
<i>Bellerochea</i> sp.	cell/L	Counting Chamber	185	-
<i>Cerataulina</i> sp.	cell/L	Counting Chamber	3.985	-
<i>Ceratium</i> sp.	cell/L	Counting Chamber	89	-
<i>Chaetoceros</i> sp.	cell/L	Counting Chamber	14.539	-
<i>Climacodium</i> sp.	cell/L	Counting Chamber	11	-
<i>Corethron</i> sp.	cell/L	Counting Chamber	258	-
<i>Coscinodiscus</i> sp.	cell/L	Counting Chamber	118	-
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	30	-

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]
Remark : 1. /I Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) . Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0064

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsohla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 3
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041773
Sampling Date : 21/04/2023
Sampling Time : 10:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Cylindrotheca</i> sp.	cell/L	Counting Chamber	166	-
<i>Dinophysis</i> sp.	cell/L	Counting Chamber	18	-
<i>Ditylum</i> sp.	cell/L	Counting Chamber	251	-
<i>Entomoneis</i> sp.	cell/L	Counting Chamber	11	-
<i>Eucampia</i> sp.	cell/L	Counting Chamber	5.683	-
<i>Gonyaulax</i> sp.	cell/L	Counting Chamber	11	-
<i>Guinardia</i> sp.	cell/L	Counting Chamber	6.790	-
<i>Gyrodinium</i> sp.	cell/L	Counting Chamber	7	-
<i>Haslea</i> sp.	cell/L	Counting Chamber	22	-
<i>Helicotheca</i> sp.	cell/L	Counting Chamber	7	-
<i>Hemiaulus</i> sp.	cell/L	Counting Chamber	7.011	-
<i>Lauderia</i> sp.	cell/L	Counting Chamber	738	-
<i>Lyrella</i> sp.	cell/L	Counting Chamber	7	-
<i>Navicula</i> sp.	cell/L	Counting Chamber	41	-
<i>Nitzschia</i> sp.	cell/L	Counting Chamber	37	-
<i>Noctiluca</i> sp.	cell/L	Counting Chamber	15	-
<i>Odontella</i> sp.	cell/L	Counting Chamber	292	-
<i>Paralia</i> sp.	cell/L	Counting Chamber	118	-
<i>Pinnularia</i> sp.	cell/L	Counting Chamber	7	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (0-003-87280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0064

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 3
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041773
Sampling Date : 21/04/2023
Sampling Time : 10:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Pleurosigma</i> sp.	cell/L	Counting Chamber	2,214	-
<i>Proboscia</i> sp.	cell/L	Counting Chamber	1,845	-
<i>Prorocentrum</i> sp.	cell/L	Counting Chamber	44	-
<i>Protoperdinium</i> sp.	cell/L	Counting Chamber	295	-
<i>Pseudo-nitzschia</i> sp.	cell/L	Counting Chamber	48	-
<i>Pseudosolenia</i> sp.	cell/L	Counting Chamber	159	-
<i>Rhizosolenia</i> sp.	cell/L	Counting Chamber	2,657	-
<i>Surirella</i> sp.	cell/L	Counting Chamber	2,066	-
<i>Thalassionema</i> sp.	cell/L	Counting Chamber	480	-
<i>Thalassiosira</i> sp.	cell/L	Counting Chamber	812	-
<i>Triceratium</i> sp.	cell/L	Counting Chamber	15	-


Total Genus	cell/L	46	-
Total Phytoplankton	cell/L	51,957	-
Diversity Index	cell/L	2.39	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L . G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoorn Buasawad (0-003-8-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

01/06/2023

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COPY

Request No. W6604483

Report No. 6606-0064

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsohla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 3
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041773
Sampling Date : 21/04/2023
Sampling Time : 10:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

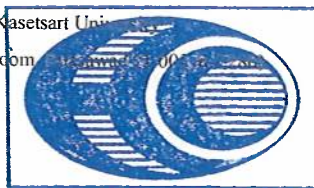
Parameter #	Unit	Method	Result	Standard ¹
Zooplankton				
Phylum Protozoa				
<i>Codonellopsis</i> sp.	ind./L	Counting Chamber	7	-
<i>Favella</i> sp.	ind./L	Counting Chamber	4	-
<i>Globorotalia</i> sp.	ind./L	Counting Chamber	4	-
<i>Leprotintinnus</i> sp.	ind./L	Counting Chamber	4	-
<i>Metacalis</i> sp.	ind./L	Counting Chamber	4	-
<i>Tintinnopsis</i> sp.	ind./L	Counting Chamber	148	-
Phylum Rotifera				
<i>Synchaeta</i> sp.	ind./L	Counting Chamber	4	-
Phylum Annelida				
Polychaete larvae	ind./L	Counting Chamber	114	-
Phylum Arthropoda				
Calanoid copepod	ind./L	Counting Chamber	18	-
Copepod nauplius	ind./L	Counting Chamber	192	-
Cyclopoid copepod	ind./L	Counting Chamber	15	-
Harpacticoid copepod	ind./L	Counting Chamber	4	-
<i>Miceosetella</i> sp.	ind./L	Counting Chamber	4	-
Phylum Mollusca				
Pelecypod larvae	ind./L	Counting Chamber	7	-
Phylum Chordata				
<i>Oikopleura</i> sp.	ind./L	Counting Chamber	30	-
Total Genus	ind./L		15	-
Total Zooplankton	ind./L		559	-
Diversity Index	ind./L		1.76	-

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5

2. # Tested by Institute of Kasetsart University

3. Sampling By Mr. Parkpoom



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Examined By

(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0064

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsohla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 3
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041773
Sampling Date : 21/04/2023
Sampling Time : 10:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Benthos	ind./m ²	Counting Chamber	ND	-

Total Genus	ind./m ²	-	-
Total Benthos	ind./m ²	ND	-
Diversity Index	ind./m ²	-	-

Physical Apperance :
1. Sample : -
2. Container : 1 bag

Remark :
1. /I Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)
4. ND = Not Detected



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Examined By



(Miss Apiradee Chuen-arom)

01/06/2023

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Request No. W6604483

Report No. 6606-0065

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsohkhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 4
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023

Sample No. : W66041774
Sampling Date : 21/04/2023
Sampling Time : 9:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Cyanophyta				
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	347	-
<i>Richelia</i> sp.	cell/L	Counting Chamber	11	-
Division Chromophyta				
<i>Actinopterychus</i> sp.	cell/L	Counting Chamber	4	-
<i>Alexandrium</i> sp.	cell/L	Counting Chamber	29	-
<i>Amphora</i> sp.	cell/L	Counting Chamber	219	-
<i>Asterolampra</i> sp.	cell/L	Counting Chamber	456	-
<i>Bacillaria</i> sp.	cell/L	Counting Chamber	102	-
<i>Bacteriastrum</i> sp.	cell/L	Counting Chamber	438	-
<i>Bellerochea</i> sp.	cell/L	Counting Chamber	197	-
<i>Cerataulina</i> sp.	cell/L	Counting Chamber	6,205	-
<i>Ceratium</i> sp.	cell/L	Counting Chamber	73	-
<i>Chaetoceros</i> sp.	cell/L	Counting Chamber	8,395	-
<i>Climacodium</i> sp.	cell/L	Counting Chamber	11	-
<i>Corethron</i> sp.	cell/L	Counting Chamber	256	-
<i>Coscinodiscus</i> sp.	cell/L	Counting Chamber	204	-
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	183	-
<i>Cylindrotheca</i> sp.	cell/L	Counting Chamber	358	-
<i>Cymatosira</i> sp.	cell/L	Counting Chamber	18	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



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Examined By 

(Miss Apiradee Chuen-arom)

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Request No. W6604483

Report No. 6606-0065

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 4
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041774
Sampling Date : 21/04/2023
Sampling Time : 9:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Dinophysis</i> sp.	cell/L	Counting Chamber	58	-
<i>Ditylum</i> sp.	cell/L	Counting Chamber	584	-
<i>Entomoneis</i> sp.	cell/L	Counting Chamber	11	-
<i>Eucampia</i> sp.	cell/L	Counting Chamber	9.417	-
<i>Goniodoma</i> sp.	cell/L	Counting Chamber	33	-
<i>Guinardia</i> sp.	cell/L	Counting Chamber	7.373	-
<i>Gymnodinium</i> sp.	cell/L	Counting Chamber	15	-
<i>Gyrodinium</i> sp.	cell/L	Counting Chamber	18	-
<i>Hemiaulus</i> sp.	cell/L	Counting Chamber	8.322	-
<i>Lauderia</i> sp.	cell/L	Counting Chamber	212	-
<i>Meunier</i> sp.	cell/L	Counting Chamber	26	-
<i>Navicula</i> sp.	cell/L	Counting Chamber	33	-
<i>Nitzschia</i> sp.	cell/L	Counting Chamber	18	-
<i>Noctiluca</i> sp.	cell/L	Counting Chamber	7	-
<i>Odontella</i> sp.	cell/L	Counting Chamber	365	-
<i>Paralia</i> sp.	cell/L	Counting Chamber	183	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (๖-003-๓-7280)



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Request No. W6604483

Report No. 6606-0065

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsukhla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 4
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041774
Sampling Date : 21/04/2023
Sampling Time : 9:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Phytoplankton				
Division Chromophyta				
<i>Pleurosigma</i> sp.	cell/L	Counting Chamber	2,409	-
<i>Proboscia</i> sp.	cell/L	Counting Chamber	2,044	-
<i>Prorocentrum</i> sp.	cell/L	Counting Chamber	40	-
<i>Protoperdinium</i> sp.	cell/L	Counting Chamber	292	-
<i>Pseudo-nitzschia</i> sp.	cell/L	Counting Chamber	183	-
<i>Pseudosolenia</i> sp.	cell/L	Counting Chamber	157	-
<i>Rhizosolenia</i> sp.	cell/L	Counting Chamber	3,869	-
<i>Scrippsiella</i> sp.	cell/L	Counting Chamber	40	-
<i>Skeletonema</i> sp.	cell/L	Counting Chamber	37	-
<i>Surirella</i> sp.	cell/L	Counting Chamber	1,679	-
<i>Thalassionema</i> sp.	cell/L	Counting Chamber	66	-
<i>Thalassiosira</i> sp.	cell/L	Counting Chamber	657	-
<i>Trachyneis</i> sp.	cell/L	Counting Chamber	33	-
<i>Tricertium</i> sp.	cell/L	Counting Chamber	11	-

Total Genus	cell/L	48	-
Total Phytoplankton	cell/L	55,698	-
Diversity Index	cell/L	2.50	-

Physical Apperance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5

2. # Tested by Institute of Kasetsart University

3. Sampling By Mr. Parkpoom Buasawad (๖-003-ก-7280)



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(Miss Apiradee Chuen-arom)

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Report No. 6606-0065

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 . Tungsookhla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 4
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023
Sample No. : W66041774
Sampling Date : 21/04/2023
Sampling Time : 9:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Zooplankton				
Phylum Protozoa				
<i>Codonellopsis</i> sp.	ind./L	Counting Chamber	7	-
<i>Favella</i> sp.	ind./L	Counting Chamber	4	-
<i>Metacylis</i> sp.	ind./L	Counting Chamber	7	-
<i>Tintinnopsis</i> sp.	ind./L	Counting Chamber	99	-
<i>Vorticella</i> sp.	ind./L	Counting Chamber	40	-
Phylum Annelida				
Polychaete larvae	ind./L	Counting Chamber	44	-
Phylum Arthropoda				
Calanoid copepod	ind./L	Counting Chamber	26	-
Copepod nauplius	ind./L	Counting Chamber	321	-
Cyclopoid copepod	ind./L	Counting Chamber	11	-
Harpacticoid copepod	ind./L	Counting Chamber	18	-
<i>Lucifer</i> sp.	ind./L	Counting Chamber	4	-
<i>Miceosetella</i> sp.	ind./L	Counting Chamber	4	-
Phylum Mollusca				
Pelecypod larvae	ind./L	Counting Chamber	7	-
Phylum Chordata				
<i>Oikopleura</i> sp.	ind./L	Counting Chamber	33	-
Total Genus	ind./L		14	-
Total Zooplankton	ind./L		625	-
Diversity Index	ind./L		1.71	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L(2 Bottle) , PE 1.8 L , G 0.2 L]

Remark : 1. /1 Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buranad (17-290)



Examined By 
(Miss Apiradee Chuen-arom)

01/06/2023

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Report No. 6606-0065

TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.
Address : 88 Moo.3 , Tungsohla . Sriracha . Chonburi 20230
Sampling Source : ท่าเรือ A2
Sample Name : สถานีที่ 4
Sampling By : ETC
Sampling Method : Grab
Tested Date : 22/04/2023 – 26/05/2023

Sample No. : W66041774
Sampling Date : 21/04/2023
Sampling Time : 9:20 AM
Received Date : 22/04/2023
Reported Date : 01/06/2023

Parameter #	Unit	Method	Result	Standard ¹
Benthos	ind./m ²	Counting Chamber	ND	-

Total Genus	ind./m ²	-	-
Total Benthos	ind./m ²	ND	-
Diversity Index	ind./m ²	-	-

Physical Apperance :
1. Sample : -
2. Container : 1 bag

Remark :
1. /I Seawater Quality Standard , Notification of the National Environment Board B.E. 2564 (2021) , Class 5
2. # Tested by Institute of Kasetsart University
3. Sampling By Mr. Parkpoom Buasawad (๖-003-ก-7280)
4. ND = Not Detected



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