

Request No. ATR6508037

Report No. 6508-0610 - 6508-0612

## TEST REPORT

CUSTOMER : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด  
ADDRESS : 88 ม. 3 ท่าเรือแหลมฉบังท่าที่ A2 ต. พังสุชล อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : ท่าเรือ A2  
SAMPLE NAME : ท่าเรือ A2  
RECEIVED DATE : 23/08/2022 SAMPLE NO. : A65080610 - A65080612  
TESTED DATE : 23/08/2022-25/08/2022 REPORTED DATE : 29/08/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	17-18/08/2022	0.028	0.33	mg/m <sup>3</sup>
		18-19/08/2022	0.041	0.33	mg/m <sup>3</sup>
		19-20/08/2022	0.042	0.33	mg/m <sup>3</sup>

## REMARK:

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

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

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Approved By



(Miss Thanatporn Klinsoon)

29/08/2022

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Request No. LA65-R0855

Report No. R6508-2561 - R6508-2563

## 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 M100E S/N 3139

SAMPLE NO. : 23160-23162  
SAMPLING DATE : 17-20/08/2022  
RECEIVED DATE : 20/08/2022  
REPORTED DATE : 29/08/2022

TIME / DATE	17-18/08/2022	18-19/08/2022	19-20/08/2022	UNIT
09:00 - 10:00 <sup>13</sup>	0.001	0.001	<0.001	ppm
10:00 - 11:00	0.002	<0.001	<0.001	ppm
11:00 - 12:00	0.001	0.001	<0.001	ppm
12:00 - 13:00	0.001	<0.001	<0.001	ppm
13:00 - 14:00	0.001	<0.001	<0.001	ppm
14:00 - 15:00	0.001	<0.001	<0.001	ppm
15:00 - 16:00	0.002	<0.001	<0.001	ppm
16:00 - 17:00	0.001	0.001	<0.001	ppm
17:00 - 18:00	0.001	0.001	<0.001	ppm
18:00 - 19:00	0.001	0.001	<0.001	ppm
19:00 - 20:00	0.001	<0.001	<0.001	ppm
20:00 - 21:00	0.001	<0.001	<0.001	ppm
21:00 - 22:00	0.001	<0.001	0.001	ppm
22:00 - 23:00	<0.001	<0.001	0.001	ppm
23:00 - 00:00	<0.001	<0.001	<0.001	ppm
00:00 - 01:00	0.001	0.001	<0.001	ppm
01:00 - 02:00	0.001	<0.001	<0.001	ppm
02:00 - 03:00	0.001	<0.001	<0.001	ppm
03:00 - 04:00	0.001	<0.001	<0.001	ppm
04:00 - 05:00	0.001	<0.001	<0.001	ppm
05:00 - 06:00	0.001	<0.001	<0.001	ppm
06:00 - 07:00	0.001	<0.001	<0.001	ppm
07:00 - 08:00	0.001	0.001	<0.001	ppm
08:00 - 09:00	0.001	<0.001	<0.001	ppm
Maximum 1 hr.	0.002	0.001	0.001	ppm
Average 24 hr.	0.001	<0.001	<0.001	ppm
Standard (1 hr.) <sup>11</sup>	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) <sup>12</sup>	0.12	0.12	0.12	ppm

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

Approved By.....

(MS. THANATPORN KLINSOPON)

29/08/2022

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Request No. LA65-R0855

Report No. R6308-2564 - R6308-2566

## TEST REPORT

CUSTOMER : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด  
ADDRESS : 88 ม. 3 ท่าเรือแหลมฉบังท่าที่ A2 ต. พังสุธยา อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด  
SAMPLE POINT : ท่าเรือ A2  
PARAMETER\* : Nitrogen Dioxide  
DETERMINATION METHOD : Chemiluminescence  
INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 23163-23165  
SAMPLING DATE : 17-20/08/2022  
RECEIVED DATE : 20/08/2022  
REPORTED DATE : 29/08/2022

TIME / DATE	17-18/08/2022	18-19/08/2022	19-20/08/2022	UNIT
09:00 - 10:00 <sup>2</sup>	0.004	0.010	0.009	ppm
10:00 - 11:00	0.006	0.009	0.004	ppm
11:00 - 12:00	0.009	0.005	0.005	ppm
12:00 - 13:00	0.006	0.007	0.004	ppm
13:00 - 14:00	0.003	0.006	0.003	ppm
14:00 - 15:00	0.002	0.003	0.004	ppm
15:00 - 16:00	0.001	0.004	0.005	ppm
16:00 - 17:00	0.001	0.003	0.006	ppm
17:00 - 18:00	0.001	0.002	0.005	ppm
18:00 - 19:00	0.002	0.003	0.003	ppm
19:00 - 20:00	0.002	0.005	0.004	ppm
20:00 - 21:00	0.002	0.004	0.005	ppm
21:00 - 22:00	0.004	0.006	0.008	ppm
22:00 - 23:00	0.005	0.007	0.010	ppm
23:00 - 00:00	0.007	0.007	0.008	ppm
00:00 - 01:00	0.006	0.005	0.005	ppm
01:00 - 02:00	0.008	0.007	0.007	ppm
02:00 - 03:00	0.007	0.005	0.004	ppm
03:00 - 04:00	0.006	0.006	0.005	ppm
04:00 - 05:00	0.007	0.006	0.004	ppm
05:00 - 06:00	0.008	0.006	0.004	ppm
06:00 - 07:00	0.008	0.007	0.005	ppm
07:00 - 08:00	0.011	0.005	0.004	ppm
08:00 - 09:00	0.005	0.005	0.008	ppm
Maximum 1 hr.	0.011	0.010	0.010	ppm
Average 24 hr.	0.005	0.006	0.005	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	0.17	ppm

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

Approved By.....

(MS. THANATPORN KLINSOPON)

29/08/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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## แผนผังทิศทางและความเร็วลม

Request No. LA65-R085:

บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด

Sample No. 2316

จุดตรวจวัด : ท่าเรือ A2

วันที่ตรวจวัด : 17-20 สิงหาคม 2565

เวลา	17-18 สิงหาคม 2565		18-19 สิงหาคม 2565		19-20 สิงหาคม 2565	
	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม	ความเร็วลม (เมตร/วินาที)	ทิศทางลม
09:00-10:00	0.9	S	2.7	SSW	2.2	SSW
10:00-11:00	3.6	S	2.2	SSW	2.7	SSW
11:00-12:00	3.1	S	2.7	SSW	2.2	SSW
12:00-13:00	3.6	S	2.2	SSW	2.2	SW
13:00-14:00	3.6	S	2.2	SSW	2.2	SW
14:00-15:00	4.0	S	2.7	SSW	2.2	SSW
15:00-16:00	4.0	S	2.2	SSW	2.2	SSW
16:00-17:00	4.0	S	2.2	SSW	2.7	SSW
17:00-18:00	4.5	S	2.2	SSW	3.1	SSW
18:00-19:00	3.6	SSW	1.8	SSW	3.6	SSW
19:00-20:00	4.0	SSW	1.8	SSW	3.6	SSW
20:00-21:00	3.6	SSW	2.7	SSW	4.0	SSW
21:00-22:00	3.1	SSW	2.7	SSW	1.3	S
22:00-23:00	3.6	SSW	1.8	SE	0.9	ESE
23:00-00:00	3.1	SSW	1.8	S	0.4	NNE
00:00-01:00	1.8	SW	1.8	ESE	2.2	SW
01:00-02:00	1.8	SW	0.4	W	2.2	SW
02:00-03:00	1.8	SW	1.3	W	2.7	WSW
03:00-04:00	2.7	SW	0.9	NW	2.7	WSW
04:00-05:00	2.2	SW	0.4	NW	2.7	WSW
05:00-06:00	2.2	SW	1.3	WSW	2.2	SW
06:00-07:00	2.2	SW	1.3	WSW	2.2	SW
07:00-08:00	2.2	SSW	1.8	SSW	2.2	SSW
08:00-09:00	2.7	SSW	2.2	SSW	2.2	SW

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## แผนผังทิศทางและความเร็วลม

Request No. LA65-R0855

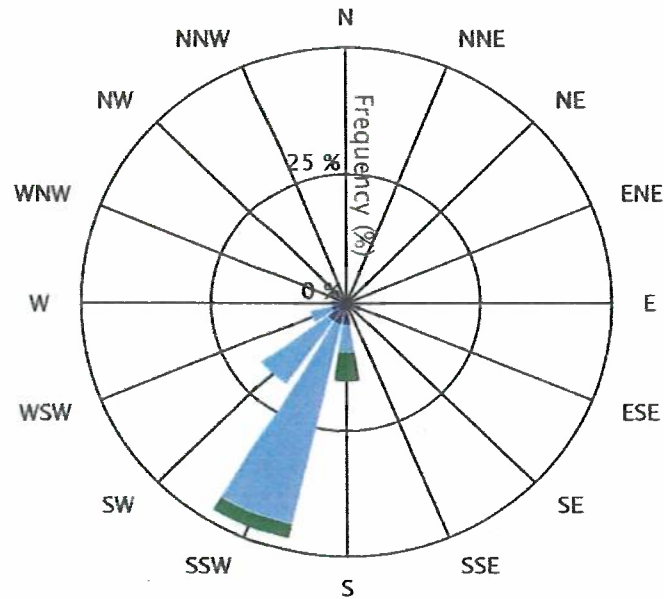
บริษัท ไทยแหลมฉบัง เทอร์มินัล จำกัด

Sample No. 23166

จุดตรวจวัด : ท่าเรือ A2

วันที่ตรวจวัด : 17-20 สิงหาคม 2565

Calm 0.0 %


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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	1.4	0.0	0.0	0.0	0.0	0.0	1.4
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	2.8	0.0	0.0	0.0	0.0	0.0	2.8
SE	1.4	0.0	0.0	0.0	0.0	0.0	1.4
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	4.2	5.6	5.6	0.0	0.0	0.0	15.4
SSW	4.2	40.3	2.8	0.0	0.0	0.0	47.3
SW	4.2	15.3	0.0	0.0	0.0	0.0	19.5
WSW	2.8	4.2	0.0	0.0	0.0	0.0	7.0
W	2.8	0.0	0.0	0.0	0.0	0.0	2.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	2.8	0.0	0.0	0.0	0.0	0.0	2.8
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	0.0						0.0

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## Test Report

Request No : W6509502

Report No : 6510-0065

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

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

Sampling Source : ท่าเรือ A2 \*\*

Sample No : W 65091870

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย ## \*\*

Sampling Date : 21/09/2022 \*\*

Sampling By : ETC \*\*

Sampling Time : 10:35 AM \*\*

Sampling Method : Grab \*\*

Received Date : 22/09/2022

Tested Date : 22/09/2022 - 30/09/2022

Reported Date : 04/10/2022

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.8	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	57	≤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	31	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	352	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	17	≤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. Supharerk Phatklang (T-003-จ-5637) \*

5. ## บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)

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

Examined By : .....

(Miss Apiradee Chuen-arom)  
(T-003-จ-4377)  
04/10/2022



Approved By : .....

(Mr. Kawee Suthasub)  
(T-003-จ-2205)  
04/10/2022

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## Test Report

Request No : W6509502

Report No : 6510-0065

Customer : Thai Laemchabang Terminal Co.,Ltd.

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

Sampling Source : น้ำเรือ A2

Sample No : W 65091870

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย ##

Sampling Date : 21/09/2022

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 22/09/2022

Tested Date : 22/09/2022 - 30/09/2022

Reported Date : 04/10/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Conductivity	10 <sup>-6</sup> S/cm	Laboratory Method (SM:2510B)	538	-
Flow Rate	m <sup>3</sup> /day	Calculation Method	not available	-
Phosphorus	mg/l as P	Ascorbic Acid Method (SM:4500 -P B)	2.79	-

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. ## บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยของสู่ทะเล (ดีก Admin)

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/10/2022

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## Test Report

Request No : W6512560

Report No : 6601-0177

Customer : Thai Laemchabang Terminal Co.,Ltd.

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

Sampling Source : ท่าเรือ A2

Sample No : W 65121878

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย \*\*

Sampling Date : 22/12/2022

Sampling By : Customer

Sampling Time : --

Sampling Method : Grab

Received Date : 23/12/2022

Tested Date : 23/12/2022 - 29/12/2022

Reported Date : 05/01/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.3	≤20
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Conductivity	10 <sup>-6</sup> S/cm	Laboratory Method (SM:2510B)	612	-
Flow Rate	m <sup>3</sup> /day	Calculation Method	not available	-
Oil and Grease	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH		Electrometric Method (SM:4500 -H + B)	8.1	5.5-9.0
Phosphorus	mg/l as P	Ascorbic Acid Method (SM:4500 -P B)	1.07	-
Total Dissolved Solids	mg/l	Dried at 180 C (SM:2540C)	418	≤3000
Total Kjeldahl Nitrogen	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100

Physical Apperance : 1. Sample : lightly SS

2. Container : Customer

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. \*\* บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)



บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

05/01/2023

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## Test Report

Request No : W6512560

Report No : 6601-0177

Customer : Thai Laemchabang Terminal Co.,Ltd.

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

Sampling Source : ท่าเรือ A2

Sample No : W 65121878

Sample Name : บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อย \*\*

Sampling Date : 22/12/2022

Sampling By : Customer

Sampling Time : --

Sampling Method : Grab

Received Date : 23/12/2022

Tested Date : 23/12/2022 - 29/12/2022

Reported Date : 05/01/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Suspended Solids	mg/l	Dried at 103-105 C (SM:2540D)	<5	≤50

Physical Apperance : 1. Sample : lightly SS

2. Container : Customer

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. \*\* บ่อพักน้ำทิ้งที่ผ่านการบำบัดแล้วก่อนปล่อยลงสู่ทะเล (ตึก Admin)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Page 2 of 2

Examined By : 

(Miss Apiradee Chuen-arom)

05/01/2023

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## Test Report

Request No : W6509502

Report No : 6510-0064

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

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

Sampling Source : ท่าเรือ A2 \*\*

Sample No : W 65091869

Sample Name : น้ำก่อนเข้าระบบบำบัด (ตึก Admin) \*\*

Sampling Date : 21/09/2022 \*\*

Sampling By : ETC \*\*

Sampling Time : 10:40 AM \*\*

Sampling Method : Grab \*\*

Received Date : 22/09/2022

Tested Date : 22/09/2022 - 30/09/2022

Reported Date : 04/10/2022

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.4
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	95
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.3
Temperature *	°C	Laboratory and Field Method	30
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	260
Total Kjeldahl Nitrogen *	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	39
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	7

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

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

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-จ-4377)  
04/10/2022



Approved By : .....

(Mr. Kawee Suthasub)  
(จ-003-จ-2205)  
04/10/2022

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## Test Report

Request No : W6509502

Report No : 6510-0064

Customer : Thai Laemchabang Terminal Co.,Ltd.

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

Sampling Source : ท่าเรือ A2

Sample No : W 65091869

Sample Name : น้ำก่อนเข้าระบบบำบัด (ตึก Admin)

Sampling Date : 21/09/2022

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/09/2022

Tested Date : 22/09/2022 - 30/09/2022

Reported Date : 04/10/2022

Parameter	Unit	Method	Result
Conductivity	$10^{-6}$ S/cm	Laboratory Method (SM:2510B)	709
Flow Rate	m <sup>3</sup> /day	Calculation Method	not available
Phosphorus	mg/l as P	Ascorbic Acid Method (SM:4500 -P B)	2.81

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. Supharerk Phatklang (จ-003-จ-5637)



Examined By : .....

(Miss Apiradee Chuen-arom)

04/10/2022

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## Test Report

Request No : W6512560

Report No : 6601-0176

Customer : Thai Laemchabang Terminal Co.,Ltd.

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

Sampling Source : ท่าเรือ A2

Sample No : W 65121877

Sample Name : น้ำก่อนเข้าระบบบำบัด (ตึก Admin)

Sampling Date : 22/12/2022

Sampling By : Customer

Sampling Time : --

Sampling Method : Grab

Received Date : 23/12/2022

Tested Date : 23/12/2022 - 29/12/2022

Reported Date : 05/01/2023

Parameter	Unit	Method	Result
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	94.7
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	253
Conductivity	10 <sup>-6</sup> S/cm	Laboratory Method (SM:2510B)	1,089
Flow Rate	m <sup>3</sup> /day	Calculation Method	not available
Oil and Grease	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH		Electrometric Method (SM:4500 -H +B)	7.0
Phosphorus	mg/l as P	Ascorbic Acid Method (SM:4500 -P B)	8.52
Total Dissolved Solids	mg/l	Dried at 180 C (SM:2540C)	424
Total Kjeldahl Nitrogen	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	78

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Customer

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



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Examined By : .....

(Miss Apiradee Chuen-arom)

05/01/2023

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## Test Report

Request No : W6512560

Report No : 6601-0176

Customer : Thai Laemchabang Terminal Co.,Ltd.

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

Sampling Source : ท่าเรือ A2

Sample No : W 65121877

Sample Name : น้ำก่อนเข้าระบบบำบัด (ตึก Admin)

Sampling Date : 22/12/2022

Sampling By : Customer

Sampling Time : --

Sampling Method : Grab

Received Date : 23/12/2022

Tested Date : 23/12/2022 - 29/12/2022

Reported Date : 05/01/2023

Parameter	Unit	Method	Result
Total Suspended Solids	mg/l	Dried at 103-105 C (SM:2540D)	55

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Customer

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



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Examined By : .....

(Miss Apiradee Chuen-arom)

05/01/2023

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Request No. W6510627

Report No. 6512-0628

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsookhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2  
Sample Name : สถานีที่ 1  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 31/10/2022 – 07/12/2022  
Sample No. : W65102276  
Sampling Date : 29/10/2022  
Sampling Time : 9:50 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 ml	MPN Test	33	≤ 1000
Conductivity	10 <sup>-6</sup> S/cm	Laboratory	45,080	-
Dissolved Oxygen	mg/l	Membrane Electrode	5.1	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.1	7.0-8.5
Salinity	ppt	Electrical Conductivity	29.36	▽
Suspended Solid	mg/l	Dried at 103-105 degree celsius	< 5	△△
Temperature	°C	Laboratory and Field	30	△
Transparency	m	Secchi Disc	0.5	▽▽

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



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Examined By 

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0629

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
 Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
 Sampling Source : ท่าเรือ A2 Sample No. : W65102277  
 Sample Name : สถานีที่ 2 Sampling Date : 29/10/2022  
 Sampling By : ETC Sampling Time : 10:00 AM  
 Sampling Method : Grab Received Date : 31/10/2022  
 Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 ml	MPN Test	17	≤ 1000
Conductivity	10 <sup>-6</sup> S/cm	Laboratory	45,570	-
Dissolved Oxygen	mg/l	Membrane Electrode	5.7	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.3	7.0-8.5
Salinity	ppt	Electrical Conductivity	29.59	▽
Suspended Solid	mg/l	Dried at 103-105 degree celsius	5	△△
Temperature	°C	Laboratory and Field	31	△
Transparency	m	Secchi Disc	0.5	▽▽

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. Supharerk Phatklang (ว-003-จ-5637)



Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0630

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102278  
Sample Name : สถานีที่ 3 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 9:10 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 ml	MPN Test	170	≤ 1000
Conductivity	10 <sup>-6</sup> S/cm	Laboratory	44,110	-
Dissolved Oxygen	mg/l	Membrane Electrode	5.4	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.0	7.0-8.5
Salinity	ppt	Electrical Conductivity	29.45	▽
Suspended Solid	mg/l	Dried at 103-105 degree celsius	6	△△
Temperature	°C	Laboratory and Field	31	△
Transparency	m	Secchi Disc	0.5	▽▽

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. Supharek Phatklang (3-003-จ-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0631

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102279  
Sampling Date : 29/10/2022  
Sampling Time : 10:15 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	< 2.0	-
Coliform Bacteria	MPN : 100 ml	MPN Test	330	≤ 1000
Conductivity	10 <sup>-6</sup> S/cm	Laboratory	45,290	-
Dissolved Oxygen	mg/l	Membrane Electrode	5.9	≥ 4
Oil and Grease	-	Observations	nonvisible	none
pH (on site)		Electrometric	8.0	7.0-8.5
Salinity	ppt	Electrical Conductivity	29.38	▽
Suspended Solid	mg/l	Dried at 103-105 degree celsius	< 5	△△
Temperature	°C	Laboratory and Field	29	△
Transparency	m	Secchi Disc	0.5	▽▽

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. Supharerk Phatklang (ว-003-จ-5637)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0628

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102276  
Sample Name : สถานีที่ 1 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 9:50 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Cyanophyta</b>				
<i>Oscillatoria</i> sp.	cell/l	Counting Chamber	5	-
<i>Pseudanabaena</i> sp.	cell/l	Counting Chamber	5	-
<b>Division Chromophyta</b>				
<i>Achnanthes</i> sp.	cell/l	Counting Chamber	43	-
<i>Actinopteryx</i> sp.	cell/l	Counting Chamber	432	-
<i>Alexandrium</i> sp.	cell/l	Counting Chamber	14	-
<i>Amphora</i> sp.	cell/l	Counting Chamber	14	-
<i>Bacillaria</i> sp.	cell/l	Counting Chamber	31	-
<i>Bacteriastrium</i> sp.	cell/l	Counting Chamber	720	-
<i>Bellerochea</i> sp.	cell/l	Counting Chamber	12	-
<i>Cerataulina</i> sp.	cell/l	Counting Chamber	77	-
<i>Ceratium</i> sp.	cell/l	Counting Chamber	58	-
<i>Chaetoceros</i> sp.	cell/l	Counting Chamber	10,992	-
<i>Climacodium</i> sp.	cell/l	Counting Chamber	14	-
<i>Corethron</i> sp.	cell/l	Counting Chamber	384	-
<i>Coscinodiscus</i> sp.	cell/l	Counting Chamber	1,632	-
<i>Cyclotella</i> sp.	cell/l	Counting Chamber	58	-
<i>Cylindrotheca</i> sp.	cell/l	Counting Chamber	10	-

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. Supharerk Phatklang (ว-003-0-5637)



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Examined By   
( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0628

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsookhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102276  
Sample Name : สถานีที่ 1 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 9:50 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Dictyocha</i> sp.	cell/l	Counting Chamber	24	-
<i>Diploneis</i> sp.	cell/l	Counting Chamber	12	-
<i>Ditylum</i> sp.	cell/l	Counting Chamber	60	-
<i>Entomoneis</i> sp.	cell/l	Counting Chamber	864	-
<i>Eucampia</i> sp.	cell/l	Counting Chamber	1,344	-
<i>Guinardia</i> sp.	cell/l	Counting Chamber	2,448	-
<i>Gymnodinium</i> sp.	cell/l	Counting Chamber	5	-
<i>Haslea</i> sp.	cell/l	Counting Chamber	7	-
<i>Hemiaulus</i> sp.	cell/l	Counting Chamber	5	-
<i>Navicula</i> sp.	cell/l	Counting Chamber	7	-
<i>Nitzschia</i> sp.	cell/l	Counting Chamber	17	-
<i>Odontella</i> sp.	cell/l	Counting Chamber	432	-
<i>Palmeria</i> sp.	cell/l	Counting Chamber	10	-
<i>Planktoniella</i> sp.	cell/l	Counting Chamber	480	-
<i>Pleurosigma</i> sp.	cell/l	Counting Chamber	468	-
<i>Prorocentrum</i> sp.	cell/l	Counting Chamber	22	-

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. Supharerk Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0628

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102276  
Sampling Date : 29/10/2022  
Sampling Time : 9:50 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Protoperdinium</i> sp.	cell/l	Counting Chamber	41	-
<i>Pseudo-nitzschia</i> sp.	cell/l	Counting Chamber	19	-
<i>Rhizosolenia</i> sp.	cell/l	Counting Chamber	12	-
<i>Striatella</i> sp.	cell/l	Counting Chamber	17	-
<i>Surirella</i> sp.	cell/l	Counting Chamber	240	-
<i>Thalassionema</i> sp.	cell/l	Counting Chamber	672	-
<i>Thalassiosira</i> sp.	cell/l	Counting Chamber	4,608	-
<i>Trachyneis</i> sp.	cell/l	Counting Chamber	48	-

<b>Total Genus</b>	<b>cell/l</b>	<b>41</b>	<b>-</b>
<b>Total Phytoplankton</b>	<b>cell/l</b>	<b>26,363</b>	<b>-</b>
<b>Diversity Index</b>	<b>cell/l</b>	<b>2.07</b>	<b>-</b>

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. Supharerk Phatklang (๓-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0628

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102276  
Sampling Date : 29/10/2022  
Sampling Time : 9:50 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Zooplankton</b>				
<b>Phylum Protozoa</b>				
<i>Codonellopsis</i> sp.	ind./l	Counting Chamber	7	-
<i>Helicostomella</i> sp.	ind./l	Counting Chamber	2	-
<i>Stenosemella</i> sp.	ind./l	Counting Chamber	5	-
<i>Tintinnopsis</i> sp.	ind./l	Counting Chamber	19	-
<b>Phylum Rotifera</b>				
<i>Trichoeros</i> sp.	ind./l	Counting Chamber	2	-
<b>Phylum Arthropoda</b>				
Calanoid copepod	ind./l	Counting Chamber	10	-
Copepod nauplii	ind./l	Counting Chamber	192	-
Cyclopoid copepod	ind./l	Counting Chamber	19	-
Harpacticoid copepod	ind./l	Counting Chamber	2	-
<b>Phylum Chordata</b>				
<i>Oikopleura</i> sp.	ind./l	Counting Chamber	7	-
<b>Total Genus</b>	<b>ind./l</b>		<b>10</b>	<b>-</b>
<b>Total Zooplankton</b>	<b>ind./l</b>		<b>265</b>	<b>-</b>
<b>Diversity Index</b>	<b>ind./l</b>		<b>1.11</b>	<b>-</b>

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. Supharerk Phatklang (1-003-0-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0628

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102276  
Sample Name : สถานีที่ 1 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 9:50 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

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

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

Physical Apperance : 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. Supharek Phatklang (ว-003-อ-5637)  
4. ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .....



( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0629

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsohla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2  
Sample Name : สถานีที่ 2  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 31/10/2022 – 07/12/2022  
Sample No. : W65102277  
Sampling Date : 29/10/2022  
Sampling Time : 10:00 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022


Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Cyanophyta</b>				
<i>Oscillatoria</i> sp.	cell/l	Counting Chamber	13	-
<i>Pseudanabaena</i> sp.	cell/l	Counting Chamber	20	-
<b>Division Chromophyta</b>				
<i>Achnanthes</i> sp.	cell/l	Counting Chamber	4	-
<i>Actinopterychus</i> sp.	cell/l	Counting Chamber	78	-
<i>Amphora</i> sp.	cell/l	Counting Chamber	1	-
<i>Asterolampra</i> sp.	cell/l	Counting Chamber	1	-
<i>Bacillaria</i> sp.	cell/l	Counting Chamber	26	-
<i>Bacteriastrium</i> sp.	cell/l	Counting Chamber	468	-
<i>Cerataulina</i> sp.	cell/l	Counting Chamber	65	-
<i>Ceratium</i> sp.	cell/l	Counting Chamber	20	-
<i>Chaetoceros</i> sp.	cell/l	Counting Chamber	4,368	-
<i>Corethron</i> sp.	cell/l	Counting Chamber	85	-
<i>Coscinodiscus</i> sp.	cell/l	Counting Chamber	702	-
<i>Cyclotella</i> sp.	cell/l	Counting Chamber	56	-
<i>Cylindrotheca</i> sp.	cell/l	Counting Chamber	7	-
<i>Dictyocha</i> sp.	cell/l	Counting Chamber	10	-
<i>Diploneis</i> sp.	cell/l	Counting Chamber	3	-
<i>Ditylum</i> sp.	cell/l	Counting Chamber	10	-

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. Saphan (1-003-8-5637)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By 

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0629

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102277  
Sampling Date : 29/10/2022  
Sampling Time : 10:00 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Entomoneis</i> sp.	cell/l	Counting Chamber	234	-
<i>Eucampia</i> sp.	cell/l	Counting Chamber	364	-
<i>Guinardia</i> sp.	cell/l	Counting Chamber	1,092	-
<i>Gymnodinium</i> sp.	cell/l	Counting Chamber	9	-
<i>Gyrodinium</i> sp.	cell/l	Counting Chamber	1	-
<i>Hemiaulus</i> sp.	cell/l	Counting Chamber	30	-
<i>Nitzschia</i> sp.	cell/l	Counting Chamber	52	-
<i>Odontella</i> sp.	cell/l	Counting Chamber	98	-
<i>Palmeria</i> sp.	cell/l	Counting Chamber	3	-
<i>Paralia</i> sp.	cell/l	Counting Chamber	52	-
<i>Planktoniella</i> sp.	cell/l	Counting Chamber	33	-
<i>Pleurosigma</i> sp.	cell/l	Counting Chamber	437	-
<i>Proboscia</i> sp.	cell/l	Counting Chamber	1	-
<i>Prorocentrum</i> sp.	cell/l	Counting Chamber	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. Supharerk Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By



( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0629

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsookhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2  
Sample Name : สถานีที่ 2  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 31/10/2022 – 07/12/2022  
Sample No. : W65102277  
Sampling Date : 29/10/2022  
Sampling Time : 10:00 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Protoperdinium</i> sp.	cell/l	Counting Chamber	36	-
<i>Rhizosolenia</i> sp.	cell/l	Counting Chamber	14	-
<i>Surirella</i> sp.	cell/l	Counting Chamber	27	-
<i>Thalassionema</i> sp.	cell/l	Counting Chamber	390	-
<i>Thalassiosira</i> sp.	cell/l	Counting Chamber	2,444	-
<i>Trachyneis</i> sp.	cell/l	Counting Chamber	10	-

<b>Total Genus</b>	<b>cell/l</b>	<b>38</b>	<b>-</b>
<b>Total Phytoplankton</b>	<b>cell/l</b>	<b>11,277</b>	<b>-</b>
<b>Diversity Index</b>	<b>cell/l</b>	<b>2.05</b>	<b>-</b>

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. Supharker Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0629

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102277  
Sample Name : สถานีที่ 2 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 10:00 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Zooplankton</b>				
<b>Phylum Protozoa</b>				
<i>Codonellopsis</i> sp.	ind./l	Counting Chamber	8	-
<i>Globorotalia</i> sp.	ind./l	Counting Chamber	3	-
<i>Helicostomella</i> sp.	ind./l	Counting Chamber	1	-
<i>Metacylis</i> sp.	ind./l	Counting Chamber	1	-
<i>Stenosemella</i> sp.	ind./l	Counting Chamber	1	-
<i>Tintinnopsis</i> sp.	ind./l	Counting Chamber	31	-
<i>Vorticella</i> sp.	ind./l	Counting Chamber	4	-
<b>Phylum Rotifera</b>				
<i>Asplanchna</i> sp.	ind./l	Counting Chamber	3	-
<b>Phylum Annelida</b>				
Polychaete laevae	ind./l	Counting Chamber	1	-
<b>Phylum Arthropoda</b>				
Calanoid copepod	ind./l	Counting Chamber	7	-
Copepod nauplii	ind./l	Counting Chamber	98	-
Cyclopoid copepod	ind./l	Counting Chamber	10	-
Harpacticoid copepod	ind./l	Counting Chamber	5	-
<b>Phylum Mollusca</b>				
Pelecypod larvae	ind./l	Counting Chamber	5	-
<b>Phylum Chordata</b>				
<i>Oikopleura</i> sp.	ind./l	Counting Chamber	9	-
<b>Total Genus</b>	<b>ind./l</b>		<b>15</b>	<b>-</b>
<b>Total Zooplankton</b>	<b>ind./l</b>		<b>187</b>	<b>-</b>
<b>Diversity Index</b>	<b>ind./l</b>		<b>1.72</b>	<b>-</b>

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 Kanchanaburi University  
3. Sampling By Mr. Apiradee Chuen-arom (093-9-5637)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0629

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102277  
Sample Name : สถานีที่ 2 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 10:00 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

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

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


Physical Apperance : 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. Supharerk Phatklang (ว-003-จ-5637)  
4. ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY  
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Examined By   
( Miss Apiradee Chuen-arom )  
12/12/2022

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Request No. W6510627

Report No. 6512-0630

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102278  
Sample Name : สถานีที่ 3 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 9:10 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Cyanophyta</b>				
<i>Oscillatoria</i> sp.	cell/l	Counting Chamber	18	-
<b>Division Chromophyta</b>				
<i>Achnanthes</i> sp.	cell/l	Counting Chamber	16	-
<i>Actinopterychus</i> sp.	cell/l	Counting Chamber	206	-
<i>Alexandrium</i> sp.	cell/l	Counting Chamber	137	-
<i>Amphora</i> sp.	cell/l	Counting Chamber	9	-
<i>Bacillaria</i> sp.	cell/l	Counting Chamber	37	-
<i>Bacteriastrium</i> sp.	cell/l	Counting Chamber	366	-
<i>Cerataulina</i> sp.	cell/l	Counting Chamber	229	-
<i>Ceratium</i> sp.	cell/l	Counting Chamber	11	-
<i>Chaetoceros</i> sp.	cell/l	Counting Chamber	2,427	-
<i>Climacodium</i> sp.	cell/l	Counting Chamber	27	-
<i>Corethron</i> sp.	cell/l	Counting Chamber	183	-
<i>Coscinodiscus</i> sp.	cell/l	Counting Chamber	733	-
<i>Cyclotella</i> sp.	cell/l	Counting Chamber	80	-
<i>Cylindrotheca</i> sp.	cell/l	Counting Chamber	7	-
<i>Dictyocha</i> sp.	cell/l	Counting Chamber	21	-
<i>Ditylum</i> sp.	cell/l	Counting Chamber	46	-
<i>Entomoneis</i> sp.	cell/l	Counting Chamber	412	-
<i>Guinardia</i> sp.	cell/l	Counting Chamber	11,587	-
<i>Gyrodinium</i> sp.	cell/l	Counting Chamber	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. # Tested by Institute of Kasetsart University  
3. Sampling By Mr. Supharerk Phatthana (093-0-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By 

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0630

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102278  
Sampling Date : 29/10/2022  
Sampling Time : 9:10 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Lauderia</i> sp.	cell/l	Counting Chamber	16	-
<i>Nitzschia</i> sp.	cell/l	Counting Chamber	18	-
<i>Odontella</i> sp.	cell/l	Counting Chamber	344	-
<i>Paralia</i> sp.	cell/l	Counting Chamber	25	-
<i>Planktoniella</i> sp.	cell/l	Counting Chamber	82	-
<i>Pleurosigma</i> sp.	cell/l	Counting Chamber	435	-
<i>Proboscia</i> sp.	cell/l	Counting Chamber	16	-
<i>Prorocentrum</i> sp.	cell/l	Counting Chamber	9	-
<i>Protoperdinium</i> sp.	cell/l	Counting Chamber	50	-
<i>Pseudosolenia</i> sp.	cell/l	Counting Chamber	2	-
<i>Rhizosolenia</i> sp.	cell/l	Counting Chamber	18	-
<i>Surirella</i> sp.	cell/l	Counting Chamber	101	-
<i>Thalassionema</i> sp.	cell/l	Counting Chamber	916	-
<i>Thalassiosira</i> sp.	cell/l	Counting Chamber	2,015	-
<i>Trachyneis</i> sp.	cell/l	Counting Chamber	25	-
<b>Total Genus</b>	<b>cell/l</b>		<b>35</b>	<b>-</b>
<b>Total Phytoplankton</b>	<b>cell/l</b>		<b>20,629</b>	<b>-</b>
<b>Diversity Index</b>	<b>cell/l</b>		<b>1.72</b>	<b>-</b>

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. Supharerk Phatklang (ว-003-อ-5637)



Examined By   
( Miss Apiradee Chuen-arom )  
12/12/2022

REPORT: อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. W6510627

Report No. 6512-0630

## TEST REPORT

Customer : Thai Laemchabang Terminal Co.,Ltd.  
Address : 88 Moo.3 , Tungsukhla , Sriracha , Chonburi 20230  
Sampling Source : ท่าเรือ A2 Sample No. : W65102278  
Sample Name : สถานีที่ 3 Sampling Date : 29/10/2022  
Sampling By : ETC Sampling Time : 9:10 AM  
Sampling Method : Grab Received Date : 31/10/2022  
Tested Date : 31/10/2022 – 07/12/2022 Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Zooplankton</b>				
<b>Phylum Protozoa</b>				
<i>Codonellopsis</i> sp.	ind./l	Counting Chamber	5	-
<i>Globorotalia</i> sp.	ind./l	Counting Chamber	2	-
<i>Helicostomella</i> sp.	ind./l	Counting Chamber	9	-
<i>Stenosemella</i> sp.	ind./l	Counting Chamber	7	-
<i>Tintinnopsis</i> sp.	ind./l	Counting Chamber	16	-
<i>Vorticella</i> sp.	ind./l	Counting Chamber	11	-
<b>Phylum Rotifera</b>				
<i>Hexarthra</i> sp.	ind./l	Counting Chamber	2	-
<i>Synchaeta</i> sp.	ind./l	Counting Chamber	2	-
<i>Testudinella</i> sp.	ind./l	Counting Chamber	2	-
<b>Phylum Arthropoda</b>				
Calanoid copepod	ind./l	Counting Chamber	2	-
Copepod nauplii	ind./l	Counting Chamber	11	-
Cyclopoid copepod	ind./l	Counting Chamber	7	-
Harpacticoid copepod	ind./l	Counting Chamber	5	-
<b>Phylum Chordata</b>				
<i>Oikopleura</i> sp.	ind./l	Counting Chamber	5	-
<b>Total Genus</b>	<b>ind./l</b>		<b>14</b>	<b>-</b>
<b>Total Zooplankton</b>	<b>ind./l</b>		<b>86</b>	<b>-</b>
<b>Diversity Index</b>	<b>ind./l</b>		<b>2.42</b>	<b>-</b>

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. Supharerk Phasawattana (0-5637)



Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0630

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102278  
Sampling Date : 29/10/2022  
Sampling Time : 9:10 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Benthos</b>				
<b>Phylum Mollusca</b>				
<i>Tellina</i> sp.	ind./m <sup>2</sup>	Counting Chamber	30	-

<b>Total Genus</b>	ind./m <sup>2</sup>	1	-
<b>Total Benthos</b>	ind./m <sup>2</sup>	30	-
<b>Diversity Index</b>	ind./m <sup>2</sup>	0.00	-

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

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. Supharerk Phatklang (ว-003-จ-5637)



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Examined By



( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0631

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102279  
Sampling Date : 29/10/2022  
Sampling Time : 10:15 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Cyanophyta</b>				
<i>Oscillatoria</i> sp.	cell/l	Counting Chamber	22	-
<i>Pseudanabaena</i> sp.	cell/l	Counting Chamber	15	-
<b>Division Chromophyta</b>				
<i>Achnanthes</i> sp.	cell/l	Counting Chamber	19	-
<i>Actinopterychus</i> sp.	cell/l	Counting Chamber	165	-
<i>Alexandrium</i> sp.	cell/l	Counting Chamber	30	-
<i>Amphora</i> sp.	cell/l	Counting Chamber	8	-
<i>Asterolampra</i> sp.	cell/l	Counting Chamber	1	-
<i>Bacillaria</i> sp.	cell/l	Counting Chamber	13	-
<i>Bacteriastrium</i> sp.	cell/l	Counting Chamber	343	-
<i>Bellerochea</i> sp.	cell/l	Counting Chamber	8	-
<i>Cerataulina</i> sp.	cell/l	Counting Chamber	20	-
<i>Ceratium</i> sp.	cell/l	Counting Chamber	30	-
<i>Chaetoceros</i> sp.	cell/l	Counting Chamber	8,966	-
<i>Corethron</i> sp.	cell/l	Counting Chamber	56	-
<i>Coscinodiscus</i> sp.	cell/l	Counting Chamber	216	-
<i>Cyclotella</i> sp.	cell/l	Counting Chamber	33	-
<i>Cylindrotheca</i> sp.	cell/l	Counting Chamber	36	-

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. Supharek Phatklang (J-003-จ-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0631

## 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 : 31/10/2022 – 07/12/2022  
Sample No. : W65102279  
Sampling Date : 29/10/2022  
Sampling Time : 10:15 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Dactyliosolen</i> sp.	cell/l	Counting Chamber	6	-
<i>Dinophysis</i> sp.	cell/l	Counting Chamber	1	-
<i>Dietylum</i> sp.	cell/l	Counting Chamber	11	-
<i>Entomoneis</i> sp.	cell/l	Counting Chamber	254	-
<i>Eucampia</i> sp.	cell/l	Counting Chamber	914	-
<i>Guinardia</i> sp.	cell/l	Counting Chamber	1,321	-
<i>Haslea</i> sp.	cell/l	Counting Chamber	1	-
<i>Hemiaulus</i> sp.	cell/l	Counting Chamber	18	-
<i>Navicula</i> sp.	cell/l	Counting Chamber	9	-
<i>Nitzschia</i> sp.	cell/l	Counting Chamber	10	-
<i>Odontella</i> sp.	cell/l	Counting Chamber	279	-
<i>Planktoniella</i> sp.	cell/l	Counting Chamber	19	-
<i>Pleurosigma</i> sp.	cell/l	Counting Chamber	165	-
<i>Prorocentrum</i> sp.	cell/l	Counting Chamber	8	-
<i>Protoperidinium</i> sp.	cell/l	Counting Chamber	51	-
<i>Pseudo-nitzschia</i> sp.	cell/l	Counting Chamber	42	-
<i>Rhizosolenia</i> sp.	cell/l	Counting Chamber	5	-
<i>Scrippsiella</i> sp.	cell/l	Counting Chamber	3	-

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. Supharerk Phatklang (๖-003-๖-5637)



Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Request No. W6510627

Report No. 6512-0631

## TEST REPORT

Customer	:	Thai Laemchabang Terminal Co.,Ltd.	Sample No.	:	W65102279
Address	:	88 Moo.3 , Tungsookhla , Sriracha , Chonburi 20230	Sampling Date	:	29/10/2022
Sampling Source	:	ท่าเรือ A2	Sampling Time	:	10:15 AM
Sample Name	:	สถานีที่ 4	Received Date	:	31/10/2022
Sampling By	:	ETC	Reported Date	:	12/12/2022
Sampling Method	:	Grab			
Tested Date	:	31/10/2022 – 07/12/2022			

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Phytoplankton</b>				
<b>Division Chromophyta</b>				
<i>Skeletonema</i> sp.	cell/l	Counting Chamber	8	-
<i>Striatella</i> sp.	cell/l	Counting Chamber	18	-
<i>Surirella</i> sp.	cell/l	Counting Chamber	15	-
<i>Thalassionema</i> sp.	cell/l	Counting Chamber	737	-
<i>Thalassiosira</i> sp.	cell/l	Counting Chamber	711	-
<i>Trachyneis</i> sp.	cell/l	Counting Chamber	6	-
<i>Tricertium</i> sp.	cell/l	Counting Chamber	1	-

<b>Total Genus</b>	<b>cell/l</b>	<b>42</b>	<b>-</b>
<b>Total Phytoplankton</b>	<b>cell/l</b>	<b>14,594</b>	<b>-</b>
<b>Diversity Index</b>	<b>cell/l</b>	<b>1.62</b>	<b>-</b>

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. Supharerk Phatklang (3-003-0-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0631

## 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 : 31/10/2022 – 07/12/2022

Sample No. : W65102279  
Sampling Date : 29/10/2022  
Sampling Time : 10:15 AM  
Received Date : 31/10/2022  
Reported Date : 12/12/2022

Parameter #	Unit	Method	Result	Standard <sup>1</sup>
<b>Zooplankton</b>				
<b>Phylum Protozoa</b>				
<i>Helicostomella</i> sp.	ind./l	Counting Chamber	3	-
<i>Tintinnopsis</i> sp.	ind./l	Counting Chamber	1	-
<b>Phylum Arthropoda</b>				
Copepod nauplii	ind./l	Counting Chamber	15	-
Cyclopoid copepod	ind./l	Counting Chamber	3	-
<b>Phylum Chordata</b>				
<i>Oikopleura</i> sp.	ind./l	Counting Chamber	4	-

<b>Total Genus</b>	<b>ind./l</b>	<b>5</b>	<b>-</b>
<b>Total Zooplankton</b>	<b>ind./l</b>	<b>26</b>	<b>-</b>
<b>Diversity Index</b>	<b>ind./l</b>	<b>1.23</b>	<b>-</b>

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. /l 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. Supharerk Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .....

( Miss Apiradee Chuen-arom )

12/12/2022

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Request No. W6510627

Report No. 6512-0631

## 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 : 31/10/2022 – 07/12/2022

Sample No. : W65102279  
 Sampling Date : 29/10/2022  
 Sampling Time : 10:15 AM  
 Received Date : 31/10/2022  
 Reported Date : 12/12/2022


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

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

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. Supharerk Phatklang (๓-003-๖-5637)  
 4. ND = Not Detected



Examined By   
 ( Miss Apiradee Chuen-arom )  
 12/12/2022

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