

Test Report

Request No : W 6607446

Report No : 6608-1851

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071606

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ##**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.5	≤ 500
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 750

Physical Appearance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

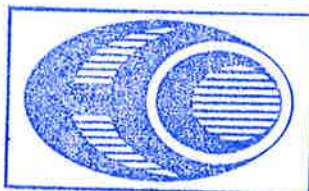
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

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

5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย) / ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
24/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ค-4367)
24/08/2023

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Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	1.3	≤ 1

Physical Appearance : 1. Sample : yellowish, lightly SS

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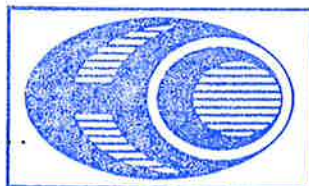
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5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย) / ** = These data are non laboratory data.

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Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : yellowish, lightly SS

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

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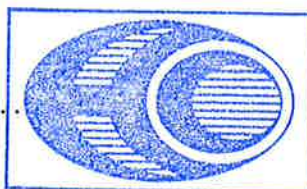
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Parameter	Unit	Method	Result	Standard ¹
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.2	5.5 - 9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	30	≤ 45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	180	≤ 3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	7	≤ 100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	8	≤ 200

Physical Apperance : 1. Sample : yellowish, lightly SS

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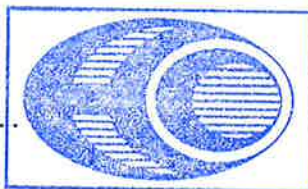
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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

24/08/2023



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Approved By :

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Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.24	≤ 5

Physical Appearance : 1. Sample : yellowish, lightly SS

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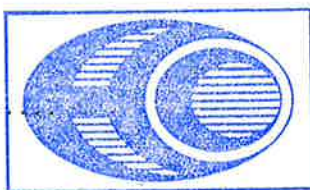
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Parameter	Unit	Method	Result	Standard ¹
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-
Coliform Bacteria	MPN:100 mL	MPN Test Method (SM:9221B)	>160,000	-
E.coli	MPN:100 mL	MPN Test Method (SM:9221F)	54,000	-
Flow Rate	m ³ /day	Calculation Method	not available	-
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.41	≤10

Physical Appearance : 1. Sample : yellowish, lightly SS

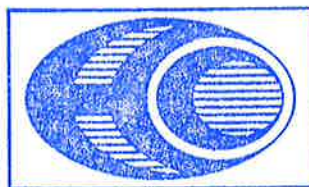
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L, PE 1.8 L, G

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

4. Sampling By Mr. Supharerk Phatklang (1-003-จ-5637) / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)



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

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
3. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสวนน้ำเสีย)

Examined By.....

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

24/08/2023



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Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellowish, lightly SS

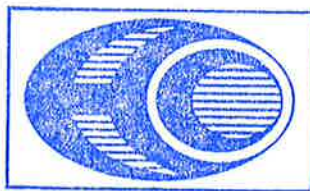
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

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



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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Sampling By : ETC Sampling Time : 10:00 AM

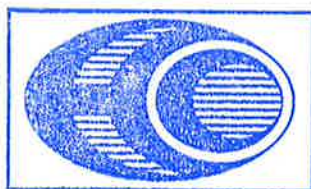
Sampling Method : Grab Received Date : 18/07/2023

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Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	

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Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
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5. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)



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Report No : 6608-1852

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071607

Sample Name : Effluent Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:50 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	16.4	≤20
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	73	≤120

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

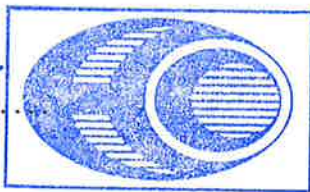
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-5637)*

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)

24/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-4367)

24/08/2023

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Test Report

Request No : W6607446

Report No : 6608-1852

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071607

Sample Name : Effluent Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:50 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard/ ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤1

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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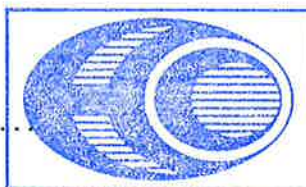
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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-จ-4377)

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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-จ-4367)

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Test Report

Request No : W6607446

Report No : 6608-1852

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071607

Sample Name : Effluent Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:50 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : green, lightly SS

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

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

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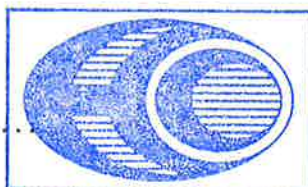
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(จ-003-ค-4377)

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Report No : 6608-1852

Customer : Pinthong Industrial Park Public Company Limited**

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Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071607

Sample Name : Effluent Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:50 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	8.1	5.5-9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	226	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	36	≤50

Physical Apperance : 1. Sample : green, lightly SS

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

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

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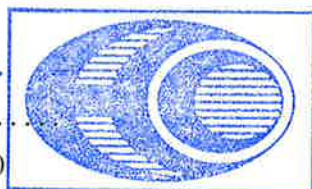
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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-4367)

24/08/2023

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Test Report

Request No : W6607446

Report No : 6608-1852

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071607

Sample Name : Effluent Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:50 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 5

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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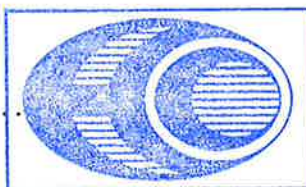
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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-จ-4377)

24/08/2023



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Approved By :

(Miss Nunnaphat Bakhuntod)

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Test Report

Request No : W6607446

Report No : 6608-1852

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66071607

Sample Name : Effluent Pond

Sampling Date : 17/07/2023

Sampling By : ETC

Sampling Time : 9:50 AM

Sampling Method : Grab

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria	MPN:100 mL	MPN Test Method (SM:9221B)	7,000	-
Dissolved Oxygen	mg/L	Membrane Electrode Method (SM:4500 -O G)	2.7	-
E.coli	MPN:100 mL	MPN Test Method (SM:9221F)	13	-
Flow Rate	m ³ /day	Calculation Method	not available	-
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-

Physical Apperance : 1. Sample : green, lightly SS

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

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

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

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

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



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Examined By :

(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607446

Report No. 6608-1852

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66071607
Sample Name : Effluent Pond Sampling Date : 17/07/2023
Sampling By : ETC Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 18/07/2023
Tested Date : 18/07/2023 – 15/08/2023 Reported Date : 24/08/2023

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

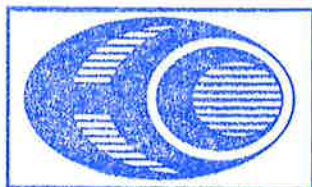
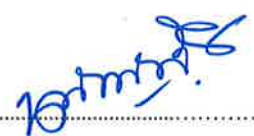
Physical Appearance : 1. Sample : green, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L, PE 1.8 L, G 1.0 L]
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
3. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)

Examined By 

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

24/08/2023

Approved By 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

24/08/2023

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Report No. 6608-1852

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66071607

Sample Name : Effluent Pond Sampling Date : 17/07/2023

Sampling By : ETC Sampling Time : 9:50 AM

Sampling Method : Grab Received Date : 18/07/2023

Tested Date : 18/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : green, lightly SS

2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by Analytical Laboratory Service Co.,Ltd.

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

Examined By 

(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607446

Report No. 6608-1852

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66071607

Sample Name : Effluent Pond Sampling Date : 17/07/2023

Sampling By : ETC Sampling Time : 9:50 AM

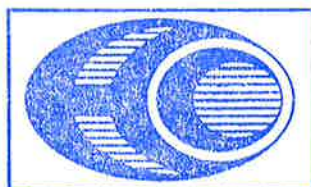
Sampling Method : Grab Received Date : 18/07/2023

Tested Date : 18/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : green, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)



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Test Report

Request No : W6607446

Report No : 6608-1853

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071608

Sample Name : Holding Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.3	≤ 20
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤ 120

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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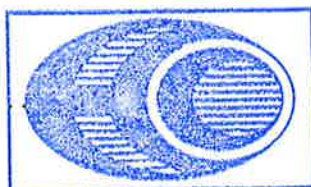
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Examined By :

(Miss Apiradee Chuen-arom)
(๖-๐๐3-๖-4377)
24/08/2023



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Approved By :

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(๖-๐๐3-๖-4367)
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Test Report

Request No : W 6607446

Report No : 6608-1853

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071608

Sample Name : Holding Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	21	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤1

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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

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

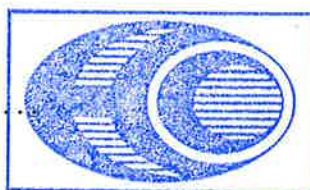
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(๖-003-๖-4377)

24/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(๖-003-๖-4367)

24/08/2023

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Test Report

Request No : W6607446

Report No : 6608-1853

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071608

Sample Name : Holding Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤ 5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

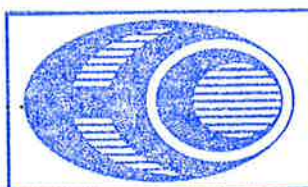
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-จ-4377)
24/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-จ-4367)
24/08/2023

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Test Report

Request No : W6607446

Report No : 6608-1853

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071608

Sample Name : Holding Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	6.8	5.5-9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S ₂ - F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	61	≤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)	16	≤50

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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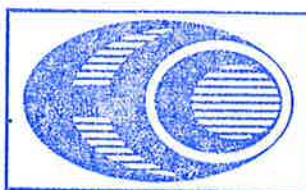
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-จ-4377)

24/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-จ-4367)

24/08/2023

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Test Report

Request No : W6607446

Report No : 6608-1853

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66071608

Sample Name : Holding Pond**

Sampling Date : 17/07/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

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

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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

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

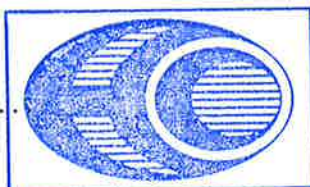
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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-จ-4377)

24/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-จ-4367)

24/08/2023

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Test Report

Request No : W6607446

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-1853

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66071608

Sample Name : Holding Pond

Sampling Date : 17/07/2023

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 18/07/2023

Tested Date : 18/07/2023 - 15/08/2023

Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria	MPN:100 mL	MPN Test Method (SM:9221B)	7,000	-
Dissolved Oxygen	mg/L	Membrane Electrode Method (SM:4500 -O G)	3.7	-
E.coli	MPN:100 mL	MPN Test Method (SM:9221F)	49	-
Flow Rate	m ³ /day	Calculation Method	not available	-
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.48	-

Physical Apperance : 1. Sample : yellow, lightly SS

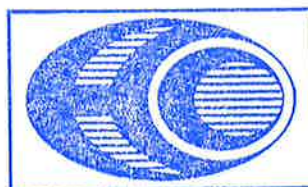
2. Container : Normal [PE 0.5 L(6 Bottle), PE 1.0 L, PE 1.8 L, G 1.0 L]

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

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

24/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6607446


Report No. 6608-1853

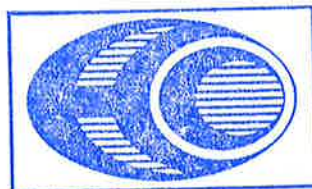
TEST REPORT


Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66071608
Sample Name : Holding Pond Sampling Date : 17/07/2023
Sampling By : ETC Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 18/07/2023
Tested Date : 18/07/2023 – 15/08/2023 Reported Date : 24/08/2023

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

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L, PE 1.8 L, G 1.0 L]
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
3. Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
24/08/2023



Approved By 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-4367)
24/08/2023

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Request No. W6607446

Report No. 6608-1853

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66071608

Sample Name : Holding Pond Sampling Date : 17/07/2023

Sampling By : ETC Sampling Time : 9:30 AM

Sampling Method : Grab Received Date : 18/07/2023

Tested Date : 18/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹⁾
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Supharek Phatklang (๓-003-๑-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

24/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. W6607446

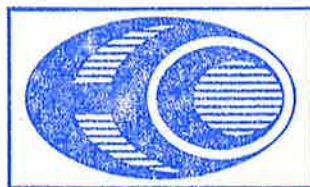
Report No. 6608-1853

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66071608
Sample Name : Holding Pond Sampling Date : 17/07/2023
Sampling By : ETC Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 18/07/2023
Tested Date : 18/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด
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Test Report

Request No : W6608457

Report No : 6609-1660

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.1	≤ 500
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	≤ 750

Physical Appearance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)*

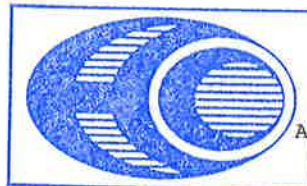
5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1660

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤ 1

Physical Appearance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)*

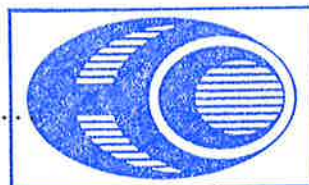
5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1660

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤5
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)*

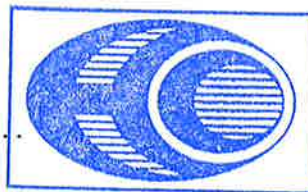
5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1660

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)** Sample No : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ*** Sampling Date : 18/08/2023**

Sampling By : ETC** Sampling Time : 10:00 AM**

Sampling Method : Grab** Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	412	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	20	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)*

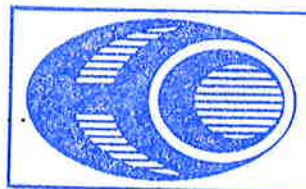
5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1660

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 5

Physical Appearance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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(จ-003-ค-0005)

23/09/2023

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Test Report

Request No : W6608457

Customer : Pinthong Industrial Park Public Company Limited**

Report No : 6609- 1660

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium [@]	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	>160,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	3.1	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	>160,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron [@]	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.17	≤10

Physical Apperance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*

6. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Nunnaphat Bakhuntod)

23/09/2023

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Request No. W6608457

Report No. 6609-1660

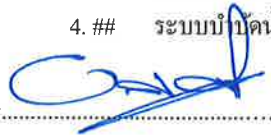
TEST REPORT

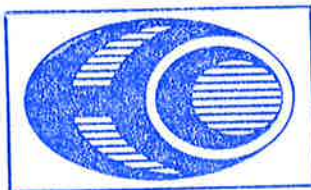
Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081472
 Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 18/08/2023
 Sampling By : ETC Sampling Time : 10:00 AM
 Sampling Method : Grab Received Date : 19/08/2023
 Tested Date : 21/08/2023 – 07/09/2023 Reported Date : 23/09/2023


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

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
 2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
 3. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)
 4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By: 
 (Miss Apiradee Chuen-arom)
 (ว-003-ค-4377)
 23/09/2023



Approved By: 
 (Miss Nunnaphat Bakhuntod)
 (ว-003-ค-4367)
 23/09/2023

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Request No. W6608457

Report No. 6609-1660

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081472

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 18/08/2023

Sampling By : ETC Sampling Time : 10:00 AM

Sampling Method : Grab Received Date : 19/08/2023

Tested Date : 21/08/2023 – 07/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : brownish, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

4. Sampling By Mr. Songpon Phiwuan



Examined By



(Miss Apiradee Chuen-arom)

23/09/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Request No. W6608457

Report No. 6609-1660

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081472
Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 18/08/2023
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 19/08/2023
Tested Date : 21/08/2023 – 07/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : brownish, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], PE 1.8 L, G 1.0 L]
Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
5. Sampling By Mr. Songpon Phiwuan

Examined By 

(Miss Apiradee Chuen-arom)

23/09/2023

บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด
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Test Report

Request No : W 6608457

Report No : 6609-1661

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081473

Sample Name : Effluent Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 19/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.2	≤ 20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	105	≤ 120

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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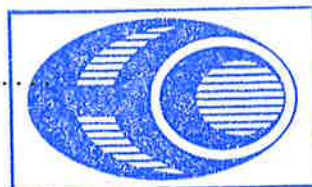
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5. ** = These data are non laboratory data.

Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ก-0007)

23/09/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)
(จ-003-ก-0005)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1661

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081473

Sample Name : Effluent Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 19/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	23	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤1

Physical Appearance : 1. Sample : green, lightly SS

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

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

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

23/09/2023



Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

23/09/2023

REPORTED **บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด**
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Test Report

Request No : W6608457

Report No : 6609-1661

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081473

Sample Name : Effluent Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 19/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : green, lightly SS

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

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


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

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


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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (๓-๐๐3-๓-๐๐16)*

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

Examined By : 
(Miss Apiradee Chuen-arom)
(๓-๐๐3-๓-๐๐๐7)
23/09/2023



Approved By : 
(Miss Nunnaphat Bakhuntod)
(๓-๐๐3-๓-๐๐๐5)
23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1661

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081473

Sample Name : Effluent Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 19/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	9.5	5.5-9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	214	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	10	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	39	≤50

Physical Apperance : 1. Sample : green, lightly SS

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

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

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Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ท-0007)

23/09/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)
(จ-003-ท-0005)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1661

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081473

Sample Name : Effluent Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 19/09/2023

Reported Date : 23/09/2023

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

Physical Appearance : 1. Sample : green, lightly SS

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

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

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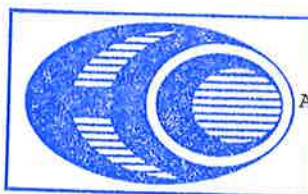
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Examined By :

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ACCREDITED
ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

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

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



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Request No : W6608457

Report No : 6609-1661

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081473

Sample Name : Effluent Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 19/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Aluminium [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	33	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	2.0	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	-

Physical Apperance : 1. Sample : green, lightly SS

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

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

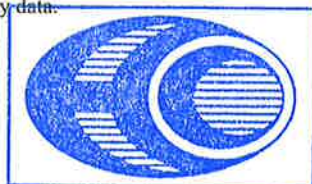
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

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Examined By : 

(Miss Nunnaphat Bakhuntod)

23/09/2023

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COPY

Request No. W6608457

Report No. 6609-1661

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W 66081473
Sample Name	:	Effluent Pond	Sampling Date	: 18/08/2023
Sampling By	:	ETC	Sampling Time	: 9:40 AM
Sampling Method	:	Grab	Received Date	: 19/08/2023
Tested Date	:	21/08/2023 – 19/09/2023	Reported Date	: 23/09/2023

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

- Physical Appearance : 1. Sample : green, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L, PE 1.8 L, G 1.0 L]
- Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
3. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)

Examined By.....

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

23/09/2023



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Approved By.....

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

23/09/2023

COPY

Request No. W6608457

Report No. 6609-1661

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081473

Sample Name : Effluent Pond Sampling Date : 18/08/2023

Sampling By : ETC Sampling Time : 9:40 AM

Sampling Method : Grab Received Date : 19/08/2023

Tested Date : 21/08/2023 – 19/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

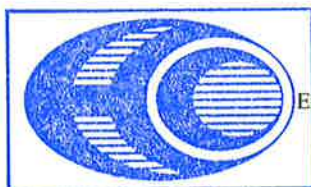
Physical Appearance : 1. Sample : green, lightly SS

2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Songpon Phiwan



Examined By



(Miss Apiradee Chuen-arom)

23/09/2023

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Request No. W6608457

Report No. 6609-1661

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081473

Sample Name : Effluent Pond Sampling Date : 18/08/2023

Sampling By : ETC Sampling Time : 9:40 AM

Sampling Method : Grab Received Date : 19/08/2023

Tested Date : 21/08/2023 – 19/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Appearance : 1. Sample : green, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Songpon Phiwuan



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Examined By



(Miss Apiradee Chuen-arom)

23/09/2023

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Test Report

Request No : W6608457

Report No : 6609-1662

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081474

Sample Name : Holding Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	19.4	≤ 20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	63	≤ 120

Physical Appearance : 1. Sample : green, lightly SS

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

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

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Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

23/09/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

23/09/2023

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Test Report

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Report No : 6609-1662

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081474

Sample Name : Holding Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤1

Physical Appearance : 1. Sample : green, lightly SS

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

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

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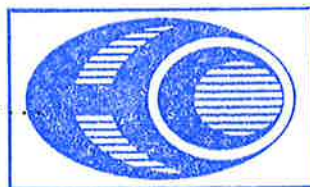
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23/09/2023



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Test Report

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Report No : 6609-1662

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081474

Sample Name : Holding Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : green, lightly SS

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

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

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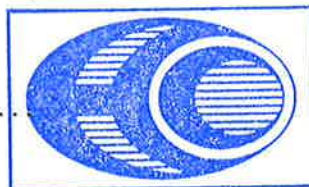
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23/09/2023



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Report No : 6609-1662

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Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081474

Sample Name : Holding Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

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Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	8.2	5.5-9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	177	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	21	≤50

Physical Apperance : 1. Sample : green, lightly SS

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

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

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

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

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

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

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

Examined By : 

(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)

23/09/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)

23/09/2023

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

Test Report

Request No : W 6608457

Report No : 6609-1662

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081474

Sample Name : Holding Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

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

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

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

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

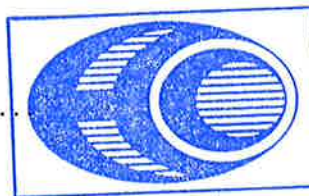
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

23/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

23/09/2023

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ACCREDITED
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



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Request No : W6608457

Report No : 6609-1662

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081474

Sample Name : Holding Pond**

Sampling Date : 18/08/2023**

Sampling By : ETC**

Sampling Time : 9:20 AM**

Sampling Method : Grab**

Received Date : 19/08/2023

Tested Date : 21/08/2023 - 07/09/2023

Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	24,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	4.1	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	460	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.17	-

Physical Appearance : 1. Sample : green, lightly SS

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

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

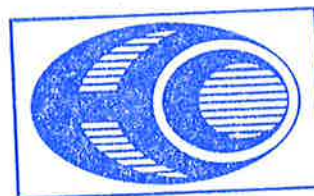
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan*

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



Examined By :

(Miss Nunnaphat Bakhuntod)

23/09/2023

REPORTED BY: อธิษฐ์ วัฒนวิทย์กุลชัย 1992 จำกัด
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Request No. W6608457

Report No. 6609-1662

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081474

Sample Name : Holding Pond Sampling Date : 18/08/2023

Sampling By : ETC Sampling Time : 9:20 AM

Sampling Method : Grab Received Date : 19/08/2023

Tested Date : 21/08/2023 – 07/09/2023 Reported Date : 23/09/2023

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

Physical Appearance : 1. Sample : green, lightly SS

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

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

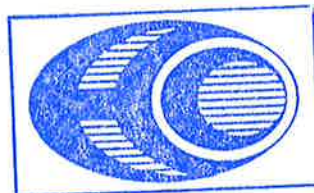
2. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

3. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)

 Examined By 
 (Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

23/09/2023


 Approved By 
 (Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

23/09/2023

REPORTED TO THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENTAL ONLY

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Request No. W6608457

Report No. 6609-1662

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081474

Sample Name : Holding Pond Sampling Date : 18/08/2023

Sampling By : ETC Sampling Time : 9:20 AM

Sampling Method : Grab Received Date : 19/08/2023

Tested Date : 21/08/2023 – 07/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

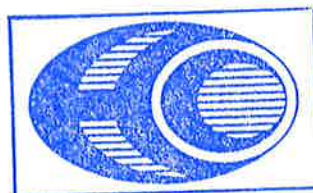
Physical Apperance : 1. Sample : green, lightly SS

2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Songpon Phiwuan



Examined By

(Miss Apiradee Chuen-arom)

23/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. W6608457

Report No. 6609-1662

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkham-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66081474
 Sample Name : Holding Pond Sampling Date : 18/08/2023
 Sampling By : ETC Sampling Time : 9:20 AM
 Sampling Method : Grab Received Date : 19/08/2023
 Tested Date : 21/08/2023 – 07/09/2023 Reported Date : 23/09/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Appearance : 1. Sample : green, lightly SS
 2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. Sampling By Mr. Songpon Phiwan



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Examined By

(Miss Apiradee Chuen-arom)

23/09/2023

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บริษัท ปันทอง ยูทิลิตี้ส์ แอนด์ รีนิวเอเบิล เอ็นเนอร์ยี จำกัด

PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel: 033-136-574 to 6 ext. 320, E-mail: lab@pin-pure.com

REGISTERED LAB NO. ๖-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nawarat Jittiruangkit (๖-341-๖-0002)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), EQ Tank
Sampling Date : 11/09/23
Sampling Time : 10.30 AM
Sample No. : WW 1191/66
Report No. : 660001-R1057
Report Date : 26/09/23
Received Date : 11/09/23
Analytical Date : 11/09/23-26/09/23

Item / Parameter	Unit	Analytical Method [®]	Result	Criteria
Biochemical Oxygen Demand	mg/L	SM 4500-O G and 5210 B	15	-
Chemical Oxygen Demand	mg/L	SM 5220 D	<40	-
Color (Original)	ADMI	SM 2120 F	23	-
Color (pH 7.00)	ADMI	SM 2120 F	21	-
Oil & Grease	mg/L	SM 5520 B	3.2	-
pH	-	SM 4500-H ⁺ B	7.4	-
Temperature	°C	SM 2550 B	31.7	-
Total Dissolved Solids (TDS)	mg/L	SM 2540 C	796	-
Total Kjeldahl Nitrogen (TKN)	mg/l as NH ₃ -N	SM 4500-N _{org} B and 4500-NH ₃ C	17.4	-
Total Suspended Solids (TSS)	mg/L	SM 2540 D	11.1	-
Sulfide	mg/l as H ₂ S	SM 4500-S ²⁻ F	<0.5	-

Physical Appearance Sample: Yellowish, Lightly SS

Remark :

Approved by :

(Miss Panida Ruamlarp)

๖-341-๖-0002

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY

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PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Sracha, Chonburi, Thailand 20230

Tel: 033-136-574 to 6 ext. 320, E-mail: lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nawarat Jittiruangkit
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), EQ Tank
Sampling Date : 11/09/23 Report No. : 660001-R1057
Sampling Time : 10.30 AM Report Date : 26/09/23
Sample No. : WW 1191/66 Received Date : 11/09/23
Analytical Date : 11/09/23-26/09/23

Item / Parameter	Unit	Analytical Method [®]	Result	Criteria
Free Chlorine	mg/l as Cl ₂	Portable Photometer	0.25	-

Physical Appearance Sample: Yellowish, Lightly SS

Remark :

Review by :


(Mr. Songkran Malaithong)

21/09/23

Approved by :


(Miss Panida Ruamlarp)

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY

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Test Report

Request No : W6609292

Report No : 6610-1600

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.1	≤500
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤750

Physical Appearance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1600

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤ 1

Physical Appearance : 1. Sample : yellow, lightly SS

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

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ค-0017)*

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(1-003-ค-0005)

25/10/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6609292

Report No : 6610-1600

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ##**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1600

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Oil and Grease [@]	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	0.0023	≤0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S ₂ - F)	< 0.50	≤1
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	800	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	20	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	9	≤200

Physical Apperance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)*

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Page 4 of 5

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1600

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	≤ 5

Physical Appearance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ค-0017)*

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(1-003-ค-0005)

25/10/2023

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ACCREDITED
ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

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

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



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Request No : W6609292

Report No : 6610- 1600

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	>160,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	2.2	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	17,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.80	≤10

Physical Apperance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *

6. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Nunnaphat Bakhuntod)

25/10/2023

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Request No. W6609292

Report No. 6610-1600

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091139
 Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 11/09/2023
 Sampling By : ETC Sampling Time : 10:30 AM
 Sampling Method : Grab Received Date : 12/09/2023
 Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****

Physical Appearance : 1. Sample : yellow, lightly SS

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

- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
 2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
 3. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
 4. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)
 5. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

 Examined By 
 (Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

 Approved By 
 (Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

25/10/2023

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Request No. W6609292

Report No. 6610-1600

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091139
 Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 11/09/2023
 Sampling By : ETC Sampling Time : 10:30 AM
 Sampling Method : Grab Received Date : 12/09/2023
 Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS
 2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], PE 1.8 L, G 1.0 L]
 Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
 2. *** Tested by Analytical Laboratory Service Co.,Ltd.
 3. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
 4. Sampling By Mr. Parkpoom Buasawad



Examined By

(Miss Apiradee Chuen-arom)

25/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. W6609292

Report No. 6610-1600

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkham-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091139

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 11/09/2023

Sampling By : ETC Sampling Time : 10:30 AM

Sampling Method : Grab Received Date : 12/09/2023

Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

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

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณฐานน้ำเสีย)
5. Sampling By Mr. Parkpoom Buasawad



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Examined By



(Miss Apiradee Chuen-arom)

25/10/2023

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บริษัท ปันทอง ยูทิลิตี้ส์ แอนด์ รีนิวเอเบิล เอ็นเนอร์ยี จำกัด

PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel: 033-136-574 to 6 ext. 320, E-mail: lab@pin-pure.com

REGISTERED LAB NO. ๖-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nawarat Jittiruangkit (๖-341-๖-0002)
Sampling Method : GRAB
Sampling Name : ระบบบำบัดน้ำเสียนิคมปันทอง โครงการ 5 (Effluent)
Sampling Date : 11/09/23
Sampling Time : 11.05 AM
Sample No. : WW 1193/66
Report No. : 660001-R1059
Report Date : 26/09/23
Received Date : 11/09/23
Analytical Date : 11/09/23-26/09/23

Item / Parameter	Unit	Analytical Method [®]	Result	Criteria
Biochemical Oxygen Demand	mg/L	SM 4500-O G and 5210 B	29	≤20
Chemical Oxygen Demand	mg/L	SM 5220 D	57	≤120
Color (Original)	ADMI	SM 2120 F	48	≤300
Color (pH 7.00)	ADMI	SM 2120 F	48	≤300
Oil & Grease	mg/L	SM 5520 B	<3	≤5
pH	-	SM 4500-H ⁺ B	9.1	5.5-9.0
Temperature	°C	SM 2550 B	33.0	≤40
Total Dissolved Solids (TDS)	mg/L	SM 2540 C	314	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	SM 4500-N _{org} B and 4500-NH ₃ C	<10	≤100
Total Suspended Solids (TSS)	mg/L	SM 2540 D	46.0	≤50
Sulfide	mg/L as H ₂ S	SM 4500-S ²⁻ F	<0.5	≤1

Physical Appearance Sample: Green turbid, Medium SS

Remark :

Approved by :

(Miss Panida Ruamlarp)

๖-341-๖-0002

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel: 033-136-574 to 6 ext. 320, E-mail: lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nawarat Jittiruangkit
Sampling Method : GRAB
Sampling Name : ระบบบำบัดน้ำเสียนิคมปันทอง โครงการ 5 (Effluent)
Sampling Date : 11/09/23
Sampling Time : 11.05 AM
Sample No. : WW 1193/66
Report No. : 660001-R1059
Report Date : 26/09/23
Received Date : 11/09/23
Analytical Date : 11/09/23-26/09/23

Item / Parameter	Unit	Analytical Method [®]	Result	Criteria
Free Chlorine	mg/l as Cl ₂	Portable Photometer	0.35	-

Physical Appearance Sample: Green turbid, Medium SS

Remark :

Review by:

Songkran M.
(Mr. Songkran Malaithong)

21/09/23

Approved by:

P. Da.
(Miss Panida Ruamlarp)

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY

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Test Report

Request No : W6609292

Report No : 6610-1601

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091140

Sample Name : Effluent Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.9	≤20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	111	≤120

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ก-0017)*

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

Examined By : 
(Miss Apiradee Chuen-arom)

(1-003-ก-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)

(1-003-ก-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1601

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091140

Sample Name : Effluent Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	37	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	34	≤300
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤1

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

25/10/2023



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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

25/10/2023

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Test Report

Customer : Pinthong Industrial Park Public Company Limited**

Request No : W6609292

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Report No : 6610-1601

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091140

Sample Name : Effluent Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	≤ 5
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

Physical Appearance : 1. Sample : green, lightly SS

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

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

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Examined By :

(Miss Apiradee Chuen-arom)

(๓-003-ก-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(๓-003-ก-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1601

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091140

Sample Name : Effluent Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	8.2	5.5-9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	33	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	305	≤ 3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	12	≤ 100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	34	≤ 50

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1601

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091140

Sample Name : Effluent Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

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

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

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

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

25/10/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

25/10/2023

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EASTERN THAI CONSULTING 1992 CO., LTD.

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

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



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Request No : W6609292

Report No : 6610-1601

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091140

Sample Name : Effluent Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Aluminium [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	17,000	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	1,100	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	-

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *

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



Examined By :

(Miss Nunnaphat Bakhuntod)

25/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Request No. W6609292

Report No. 6610-1601

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091140
Sample Name : Effluent Pond Sampling Date : 11/09/2023
Sampling By : ETC Sampling Time : 10:40 AM
Sampling Method : Grab Received Date : 12/09/2023
Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****

Physical Appearance : 1. Sample : green, lightly SS

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

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

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

3. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

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


Examined By 
(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

25/10/2023

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Request No. W6609292

Report No. 6610-1601

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091140

Sample Name : Effluent Pond Sampling Date : 11/09/2023

Sampling By : ETC Sampling Time : 10:40 AM

Sampling Method : Grab Received Date : 12/09/2023

Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	3.94	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	44.7	-

Physical Apperance : 1. Sample : green, lightly SS

2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

25/10/2023

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Request No. W6609292

Report No. 6610-1601

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091140
 Sample Name : Effluent Pond Sampling Date : 11/09/2023
 Sampling By : ETC Sampling Time : 10:40 AM
 Sampling Method : Grab Received Date : 12/09/2023
 Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance : 1. Sample : green, lightly SS
 2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. Sampling By Mr. Parkpoom Buasawad



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Examined By 

(Miss Apiradee Chuen-arom)

25/10/2023

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PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel: 033-136-574 to 6 ext. 320, E-mail: lab@pin-pure.com

REGISTERED LAB NO. ๖-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nawarat Jittiruangkit (๖-341-๖-0002)
Sampling Method : GRAB
Sampling Name : ระบบบำบัดน้ำเสียนิคมปันทอง โครงการ 5 (Holding Pond)
Sampling Date : 11/09/23
Sampling Time : 10.45 AM
Sample No. : WW 1192/66
Report No. : 660001-R1058
Report Date : 26/09/23
Received Date : 11/09/23
Analytical Date : 11/09/23-26/09/23

Item / Parameter	Unit	Analytical Method [®]	Result	Criteria
Biochemical Oxygen Demand	mg/L	SM 4500-O G and 5210 B	7	≤20
Chemical Oxygen Demand	mg/L	SM 5220 D	<40	≤120
Color (Original)	ADMI	SM 2120 F	<20	≤300
Color (pH 7.00)	ADMI	SM 2120 F	<20	≤300
Oil & Grease	mg/L	SM 5520 B	3.6	≤5
pH	-	SM 4500-H ⁺ B	7.6	5.5-9.0
Temperature	°C	SM 2550 B	33.2	≤40
Total Dissolved Solids (TDS)	mg/L	SM 2540 C	144	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH ₃ -N	SM 4500-N _{org} B and 4500-NH ₃ C	<10	≤100
Total Suspended Solids (TSS)	mg/L	SM 2540 D	26.7	≤50
Sulfide	mg/l as H ₂ S	SM 4500-S ²⁻ F	<0.5	≤1

Physical Appearance Sample: Yellow, Lightly SS

Remark :

Approved by :

(Miss Panida Ruamlarp)

๖-341-๖-0002

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel: 033-136-574 to 6 ext. 320, E-mail: lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nawarat Jittiruangkiart
Sampling Method : GRAB
Sampling Name : ระบบบำบัดน้ำเสียนิคมปันทอง โครงการ 5 (Holding Pond)
Sampling Date : 11/09/23 Report No. : 660001-R1058
Sampling Time : 10.45 AM Report Date : 26/09/23
Sample No. : WW 1192/66 Received Date : 11/09/23
Analytical Date : 11/09/23-26/09/23

Item / Parameter	Unit	Analytical Method [®]	Result	Criteria
Free Chlorine	mg/l as Cl ₂	Portable Photometer	0.22	-

Physical Appearance Sample: Yellow, Lightly SS

Remark :

Review by:

Songkran M.

(Mr. Songkran Malaithong)

21/09/23

Approved by:

P. Da.

(Miss Panida Ruamlarp)

21/09/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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Test Report

Request No : W6609292

Report No : 6610-1602

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091141

Sample Name : Holding Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard/ ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.5	≤ 20
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	70	≤ 120

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1602

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091141

Sample Name : Holding Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤300
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1
Free Chlorine *	mg/L as Cl ₂	Iodometric Method (SM:4500 -Cl B)	< 0.5	≤1

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ท-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ท-0005)

25/10/2023

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

Test Report

Request No : W6609292

Report No : 6610-1602

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091141

Sample Name : Holding Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

25/10/2023



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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1602

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091141

Sample Name : Holding Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.6	5.5-9.0
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM:4500 -S2- F)	< 0.50	≤ 1
Temperature *	°C	Laboratory and Field Method	33	≤ 40
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	141	≤ 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 degree celsius (SM:2540D)	34	≤ 50

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

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

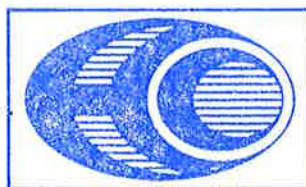
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-0017)*

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ก-0005)

25/10/2023

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Test Report

Request No : W6609292

Report No : 6610-1602

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091141

Sample Name : Holding Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

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

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)

25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

25/10/2023

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ACCREDITED
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



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Request No : W6609292

Report No : 6610- 1602

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66091141

Sample Name : Holding Pond**

Sampling Date : 11/09/2023**

Sampling By : ETC**

Sampling Time : 10:35 AM**

Sampling Method : Grab**

Received Date : 12/09/2023

Tested Date : 12/09/2023 - 12/10/2023

Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard/ ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	160,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	3.1	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	170	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.47	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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

Examined By :

(Miss Nunnaphat Bakhuntod)

25/10/2023

COPY

Request No. W6609292

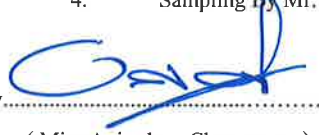
Report No. 6610-1602

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited	Sample No.	:	W 66091141
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230	Sampling Date	:	11/09/2023
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sampling Time	:	10:35 AM
Sample Name	:	Holding Pond	Received Date	:	12/09/2023
Sampling By	:	ETC	Reported Date	:	25/10/2023
Sampling Method	:	Grab			
Tested Date	:	12/09/2023 – 12/10/2023			


Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	****

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L, PE 1.8 L, G 1.0 L]
- Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
4. Sampling By Mr. Parkpoom Buasawad (จ-003-ก-0017)

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ก-0007)
25/10/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ก-0005)
25/10/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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COPY

Request No. W6609292

Report No. 6610-1602

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091141

Sample Name : Holding Pond Sampling Date : 11/09/2023

Sampling By : ETC Sampling Time : 10:35 AM

Sampling Method : Grab Received Date : 12/09/2023

Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

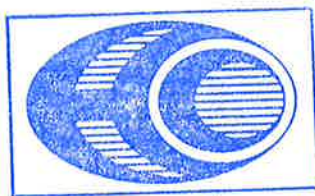
Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

25/10/2023

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Request No. W6609292

Report No. 6610-1602

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66091141
Sample Name : Holding Pond Sampling Date : 11/09/2023
Sampling By : ETC Sampling Time : 10:35 AM
Sampling Method : Grab Received Date : 12/09/2023
Tested Date : 12/09/2023 – 12/10/2023 Reported Date : 25/10/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [6 Bottle] , PE 1.0 L [2 Bottle], 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. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Parkpoom Buasawad

Examined By 

(Miss Apiradee Chuen-arom)

25/10/2023

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. ๓-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran (๓-341-๓-0005)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ**
Sampling Date : 16/10/66 **Report No.** : 660001-R1217
Sampling Time : 11.25 AM **Report Date** : 24/10/23
Sample No. : WW 1365/66 **Received Date** : 16/10/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 16/10/23-24/10/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	11	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤600
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤600
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤10
pH	-	Electrometric Method (SM 4500-H ⁺ B)	7.5	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.6	≤45
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	126	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	17.1	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	10.3	≤200
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ²⁻ F)	<0.5	≤1

Physical Appearance : Yellow turbid, Medium SS**Remark** : ^{1/} Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

** = ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Approved by :

(Miss Panida Ruamlarp)



๓-341-๓-0002

24/10/23

PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230
Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ**
Sampling Date : 16/10/66 **Report No.** : 660001-R1217
Sampling Time : 11.25 AM **Report Date** : 24/10/23
Sample No. : WW 1365/66 **Received Date** : 16/10/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 16/10/23-24/10/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.00	≤1

Physical Appearance : Yellow turbid, Medium SS


Remark : ^{1/} Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).

** = ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Review by :


(Mr. Songkran Malaithong)
24/10/23

Approved by :


(Miss Panida Ruamlarp)
24/10/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

Test Report

Request No : W6610376

Report No : 6611-2157

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101369

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:25 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)


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

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

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


4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)*

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
29/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
29/11/2023

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Test Report

Request No : W6610376

Report No : 6611-2157

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101369

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:25 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25
Lead [®]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Manganese [®]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.20	≤ 5
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel [®]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤ 1

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

29/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

29/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6610376

Report No : 6611-2157

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101369

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:25 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.20	≤5

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-0016)*

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
29/11/2023



Approved By :

(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
29/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6610376

Report No : 6611-2157

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)** Sample No : W 66101369

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###** Sampling Date : 16/10/2023**

Sampling By : ETC** Sampling Time : 11:25 AM**

Sampling Method : Grab** Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard/ ¹
Aluminium [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	>160,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	1.6	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	160,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron [@]	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.64	≤10

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*

6. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)



Examined By :

(Miss Nunnaphat Bakhuntod)

29/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6610376

Report No. 6611-2157

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101369
Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 16/10/2023
Sampling By : ETC Sampling Time : 11:25 AM
Sampling Method : Grab Received Date : 17/10/2023
Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

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

Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Examined By.....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

29/11/2023



Approved By.....

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

29/11/2023

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COPY

Request No. W6610376

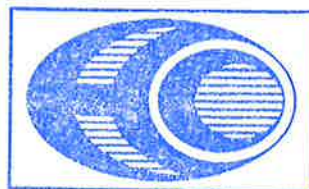
Report No. 6611-2157

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101369
Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 16/10/2023
Sampling By : ETC Sampling Time : 11:25 AM
Sampling Method : Grab Received Date : 17/10/2023
Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹⁾
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
4. Sampling By Mr. Songpon Phiwan



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Examined By



(Miss Apiradee Chuen-arom)

29/11/2023

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Request No. W6610376

Report No. 6611-2157

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101369
Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 16/10/2023
Sampling By : ETC Sampling Time : 11:25 AM
Sampling Method : Grab Received Date : 17/10/2023
Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]
- Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
5. Sampling By Mr. Songpon Phiwuan



Examined By

(Miss Apiradee Chuen-arom)

29/11/2023

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 2-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran (2-341-2-0005)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Effluent)
Sampling Date : 16/10/66 **Report No.** : 660001-R1216
Sampling Time : 11.21 AM **Report Date** : 24/10/23
Sample No. : WW 1364/66 **Received Date** : 16/10/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 16/10/23-24/10/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	30	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	93	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	43	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	34	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H ⁺ B)	10.2	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	31.7	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	410	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	61.0	≤50
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ²⁻ F)	0.6	≤1

Physical Appearance : Green, Turbid**Remark** : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)



2-341-2-0002

24/10/23

PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Effluent)
Sampling Date : 16/10/66 **Report No.** : 660001-R1216
Sampling Time : 11.21 AM **Report Date** : 24/10/23
Sample No. : WW 1364/66 **Received Date** : 16/10/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 16/10/23-24/10/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.10	≤1

Physical Appearance : Green, Turbid

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).**Review by :**


(Mr. Songkran Malaithong)
24/10/23

Approved by :


(Miss Panida Ruamlarp)
24/10/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

Test Report

Request No : W6610376

Report No : 6611-2158

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101370

Sample Name : Effluent Pond**

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:15 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1

Physical Appearance : 1. Sample : green, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ก-0016)*
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

29/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

29/11/2023

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

Test Report

Request No : W6610376

Report No : 6611-2158

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101370

Sample Name : Effluent Pond**

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:15 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤5
Mercury *	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : green, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

29/11/2023



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Received Date : 17/10/2023


Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	0.0036	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5


Physical Appearance : 1. Sample : green, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
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3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
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Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ท-0007)
29/11/2023



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29/11/2023

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ACCREDITED
ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhaphibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230
Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Request No : W6610376

Report No : 6611-2158

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101370

Sample Name : Effluent Pond**

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:15 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	4,900	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	49	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	-

Physical Apperance : 1. Sample : green, turbid, nonsmelling

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

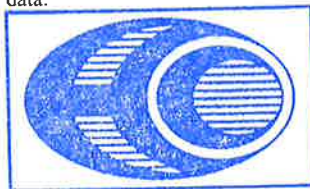
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

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Examined By : 

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29/11/2023

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Sampling Source	:	Pinthong Industrial Park (Project 5)	Sampling Time	:	11:15 AM
Sample Name	:	Effluent Pond	Received Date	:	17/10/2023
Sampling By	:	ETC	Reported Date	:	29/11/2023
Sampling Method	:	Grab			
Tested Date	:	17/10/2023 – 24/11/2023			

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

Physical Appearance :	1. Sample :	green, turbid, nonsmelling
	2. Container :	Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 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. ****	ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
	4.	Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)
Examined By.....		
(Miss Apiradee Chuen-arom)		
(ว-003-ค-0007)		
29/11/2023		
Approved By.....		
(Miss Nunnaphat Bakhuntod)		
(ว-003-ค-0005)		
29/11/2023		

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Request No. W6610376

Report No. 6611-2158

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101370
 Sample Name : Effluent Pond Sampling Date : 16/10/2023
 Sampling By : ETC Sampling Time : 11:15 AM
 Sampling Method : Grab Received Date : 17/10/2023
 Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹⁾
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : green, turbid, nonsmelling
 2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]
 Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
 2. *** Tested by Analytical Laboratory Service Co.,Ltd.
 3. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

29/11/2023

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Report No. 6611-2158

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101370

Sample Name : Effluent Pond Sampling Date : 16/10/2023

Sampling By : ETC Sampling Time : 11:15 AM

Sampling Method : Grab Received Date : 17/10/2023

Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : green, turbid, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Songpon Phiwuan



Examined By

(Miss Apiradee Chuen-arom)

29/11/2023

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran (7-341-7-0005)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Holding Pond)
Sampling Date : 16/10/66 **Report No.** : 660001-R1215
Sampling Time : 11.05 AM **Report Date** : 24/10/23
Sample No. : WW 1363/66 **Received Date** : 16/10/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 16/10/23-24/10/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	7	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H ⁺ B)	9.1	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.1	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	206	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	17.9	≤50
Sulfide	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ²⁻ F)	<0.5	≤1

Physical Appearance : Yellowish, Lightly SS**Remark** : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

7-341-7-0002

24/10/23

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Holding Pond)
Sampling Date : 16/10/66 **Report No.** : 660001-R1215
Sampling Time : 11.05 AM **Report Date** : 24/10/23
Sample No. : WW 1363/66 **Received Date** : 16/10/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 16/10/23-24/10/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.03	≤1

Physical Appearance : Yellowish, Lightly SS

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :


(Mr. Songkran Malaithong)
24/10/23

Approved by :


(Miss Panida Ruamlarp)
24/10/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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Test Report

Request No : W6610376

Report No : 6611-2159

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101371

Sample Name : Holding Pond**

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:00 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1

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

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

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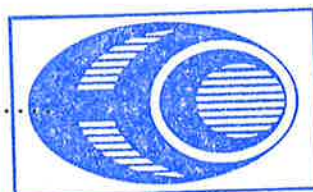
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(จ-003-ก-0007)

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Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101371

Sample Name : Holding Pond**

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:00 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 5
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

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

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

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Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard/ ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 5

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

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

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

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

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

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

29/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

29/11/2023

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ACCREDITED
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



NSC-TISI-TIS 17025
TESTING 1712

Test Report

Customer : Pinthong Industrial Park Public Company Limited**

Request No : W6610376

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Report No : 6611-2159

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66101371

Sample Name : Holding Pond**

Sampling Date : 16/10/2023**

Sampling By : ETC**

Sampling Time : 11:00 AM**

Sampling Method : Grab**

Received Date : 17/10/2023

Tested Date : 17/10/2023 - 24/11/2023

Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	11,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	3.8	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	33	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.15	-

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

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

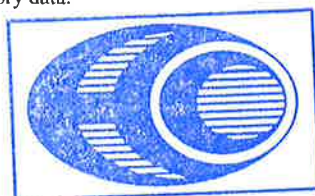
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Nunnaphat Bakhuntod)
29/11/2023

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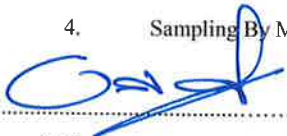

Request No. W6610376

Report No. 6611-2159

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited	Sample No.	:	W 66101371
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230	Sampling Date	:	16/10/2023
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sampling Time	:	11:00 AM
Sample Name	:	Holding Pond	Received Date	:	17/10/2023
Sampling By	:	ETC	Reported Date	:	29/11/2023
Sampling Method	:	Grab			
Tested Date	:	17/10/2023 – 24/11/2023			

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

Physical Apperance :	1. Sample :	yellowish, lightly SS, nonsmelling
	2. Container :	Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 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. ****	ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
	4.	Sampling By Mr. Songpon Phiwuan (7-003-ท-0016)
Examined By.		
	(Miss Apiradee Chuen-arom)	(Miss Nunnaphat Bakhuntod)
	(7-003-ท-0007)	(7-003-ท-0005)
	29/11/2023	29/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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Request No. W6610376

Report No. 6611-2159

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101371

Sample Name : Holding Pond Sampling Date : 16/10/2023

Sampling By : ETC Sampling Time : 11:00 AM

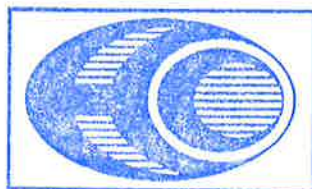
Sampling Method : Grab Received Date : 17/10/2023

Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

29/11/2023

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Request No. W6610376

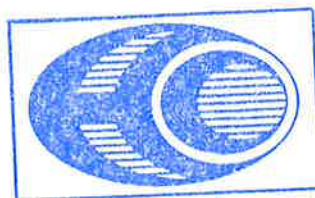
Report No. 6611-2159

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66101371
Sample Name : Holding Pond Sampling Date : 16/10/2023
Sampling By : ETC Sampling Time : 11:00 AM
Sampling Method : Grab Received Date : 17/10/2023
Tested Date : 17/10/2023 – 24/11/2023 Reported Date : 29/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellowish, lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (FAR < 0.500 mg/L)
4. Sampling By Mr. Songpon Phiwan



Examined By

(Miss Apiradee Chuen-arom)

29/11/2023

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 3-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran (3-341-3-0005)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ**
Sampling Date : 14/11/66 **Report No.** : 660001-R1370
Sampling Time : 10.00 AM **Report Date** : 27/11/23
Sample No. : WW 1532/66 **Received Date** : 14/11/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 14/11/23-24/11/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	12	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	50	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤600
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	20	≤600
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤10
pH	-	Electrometric Method (SM 4500-H ⁺ B)	7.2	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	30.5	≤45
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	232	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/l as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	20.1	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	127	≤200
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ²⁻ F)	0.6	≤1

Physical Appearance : Yellow turbid, Medium SS**Remark** : ^{1/} Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

** = ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Approved by :

(Miss Panida Ruamlarp)

3-341-3-0002

27/11/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ**
Sampling Date : 14/11/66 **Report No.** : 660001-R1370
Sampling Time : 10.00 AM **Report Date** : 27/11/23
Sample No. : WW 1532/66 **Received Date** : 14/11/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 14/11/23-24/11/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.00	≤1

Physical Appearance : Yellow turbid, Medium SS**Remark** : ^{1/} Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).

** = ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Review by :

(Mr. Songkran Malaithong)

27/11/23

Approved by :

(Miss Panida Ruamlarp)

27/11/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY

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Test Report

Request No : W6611393

Report No : 6612-0768

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111356

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ***

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0030	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)

18/12/2023

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Test Report

Request No : W6611393

Report No : 6612-0768

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111356

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.16	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/12/2023

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Test Report

Request No : W6611393

Report No : 6612-0768

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111356

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.29	≤5

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By : 

(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)

18/12/2023



Approved By : 

(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)

18/12/2023

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

Test Report

Request No : W6611393

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6612-0768

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66111356

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ##

Sampling Date : 14/11/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	2.40	-
Coliform Bacteria	MPN:100 mL	MPN Test Method (SM:9221B)	>160,000	-
Dissolved Oxygen	mg/L	Membrane Electrode Method (SM:4500 -O G)	3.4	-
E.coli	MPN:100 mL	MPN Test Method (SM:9221F)	92,000	-
Flow Rate	m ³ /day	Calculation Method	not available	-
Iron	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	2.96	≤10

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

3. Sampling By Mr. Parkpoom Buasawad

4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By : 

(Miss Apiradee Chuen-arom)

18/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
 REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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 WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. W6611393

Report No. 6612-0768


TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111356
Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 14/11/2023
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 15/11/2023
Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023


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

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)
5. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
18/12/2023



Approved By 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
18/12/2023

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

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Request No. W6611393

Report No. 6612-0768

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111356

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 14/11/2023

Sampling By : ETC Sampling Time : 10:00 AM

Sampling Method : Grab Received Date : 15/11/2023

Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

4. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

18/12/2023

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Request No. W6611393

Report No. 6612-0768

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111356

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 14/11/2023

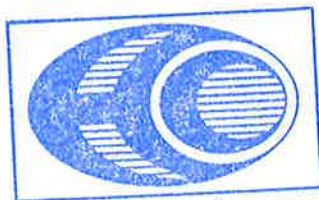
Sampling By : ETC Sampling Time : 10:00 AM

Sampling Method : Grab Received Date : 15/11/2023

Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]
- Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
5. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

18/12/2023

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 2-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran (2-341-2-0005)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Effluent)
Sampling Date : 14/11/66 **Report No.** : 660001-R1372
Sampling Time : 10.15 AM **Report Date** : 27/11/23
Sample No. : WW 1534/66 **Received Date** : 14/11/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 14/11/23-24/11/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	16	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	69	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	20	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H ⁺ B)	9.4	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	29.4	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 °C (SM 2540 C)	450	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 °C (SM 2540 D)	46.4	≤50
Sulfide	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ²⁻ F)	<0.5	≤1

Physical Appearance : Green, Medium SS**Remark** : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamrarp)

2-341-2-0002

27/11/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Siracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Effluent)
Sampling Date : 14/11/66 **Report No.** : 660001-R1372
Sampling Time : 10.15 AM **Report Date** : 27/11/23
Sample No. : WW 1534/66 **Received Date** : 14/11/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 14/11/23-24/11/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.13	≤1

Physical Appearance : Green, Medium SS

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).**Review by :**

(Mr. Songkran Malaithong)

27/11/23

Approved by :

(Miss Panida Ruamlarp)

27/11/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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Test Report

Request No : W6611393

Report No : 6612-0769

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111357

Sample Name : Effluent Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤1
Cadmium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation,Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation,Colorimetric Method	< 0.50	≤1

Physical Apperance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)*
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6611393

Report No : 6612-0769

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111357

Sample Name : Effluent Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : yellow, turbid, nonsmelling

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

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

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

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

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

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

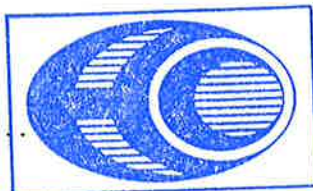
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

18/12/2023

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Test Report

Request No : W6611393

Report No : 6612-0769

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111357

Sample Name : Effluent Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	0.0020	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5

Physical Appearance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

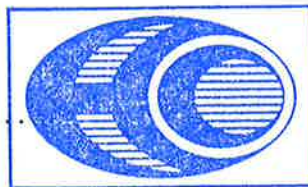
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3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)*
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/12/2023

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

Test Report

Request No : W6611393

Report No : 6612-0769

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111357

Sample Name : Effluent Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	54,000	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	330	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	-

Physical Appearance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.0 L, G 2.5 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *
6. ** = These data are non laboratory data.



Examined By :

(Miss Nunnaphat Bakhuntod)

18/12/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6611393

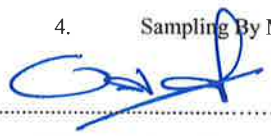
Report No. 6612-0769

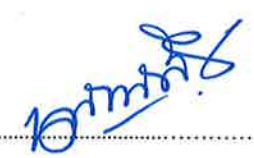
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111357
Sample Name : Effluent Pond Sampling Date : 14/11/2023
Sampling By : ETC Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 15/11/2023
Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

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

Physical Appearance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 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. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
4. Sampling By Mr. Parkpoorn Buasawad (จ-003-ค-0017)

Examined By 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
18/12/2023

Approved By 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
18/12/2023

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

COPY

Request No. W6611393

Report No. 6612-0769

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111357

Sample Name : Effluent Pond Sampling Date : 14/11/2023

Sampling By : ETC Sampling Time : 10:20 AM

Sampling Method : Grab Received Date : 15/11/2023

Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

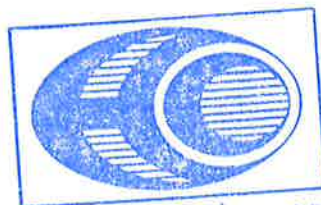
Physical Apperance : 1. Sample : yellow, turbid, nonsmelling

2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

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

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Parkpoom Buasawad



Examined By



(Miss Apiradee Chuen-arom)

18/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Request No. W6611393

Report No. 6612-0769

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111357

Sample Name : Effluent Pond Sampling Date : 14/11/2023

Sampling By : ETC Sampling Time : 10:20 AM

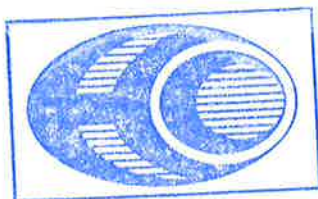
Sampling Method : Grab Received Date : 15/11/2023

Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Parkpoom Buasawad



Examined By



(Miss Apiradee Chuen-arom)

18/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 2-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran (2-341-2-0005)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Holding Pond)
Sampling Date : 14/11/66
Sampling Time : 10.10 AM
Sample No. : WW 1533/66
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L

Report No. : 660001-R1371
Report Date : 27/11/23
Received Date : 14/11/23
Analytical Date : 14/11/23-24/11/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	8	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	42	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H ⁺ B)	8.8	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	33.5	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 °C (SM 2540 C)	148	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 °C (SM 2540 D)	18.4	≤50
Sulfide	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ₂ ⁻ F)	0.5	≤1

Physical Appearance : Yellowish, Lightly SS

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)

2-341-2-0002

27/11/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Mr. Sittichok Samran
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Holding Pond)
Sampling Date : 14/11/66
Sampling Time : 10.10 AM
Sample No. : WW 1533/66
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L

Report No. : 660001-R1371
Report Date : 27/11/23
Received Date : 14/11/23
Analytical Date : 14/11/23-24/11/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.07	≤1


Physical Appearance : Yellowish, Lightly SS

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).

Review by :


(Mr. Songkran Malalithong)
27/11/23

Approved by :


(Miss Panida Ruamlarp)
27/11/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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Test Report

Request No : W6611393

Report No : 6612-0770

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111358

Sample Name : Holding Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1

Physical Appearance : 1. Sample : yellow, turbid, nonsmelling

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.8 L, G 2.5 L]

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

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

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

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

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

18/12/2023

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Test Report

Request No : W6611393

Report No : 6612-0770

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111358

Sample Name : Holding Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : yellow, turbid, nonsmelling

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.8 L, G 2.5 L]

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

18/12/2023

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Test Report

Request No : W6611393

Report No : 6612-0770

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111358

Sample Name : Holding Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 15/11/2023


Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023


Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤5

Physical Appearance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.8 L, G 2.5 L]

- Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)*
5. ** = These data are non laboratory data.

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
18/12/2023



Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
18/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6611393

Report No : 6612- 0770

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd ., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66111358

Sample Name : Holding Pond**

Sampling Date : 14/11/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 15/11/2023

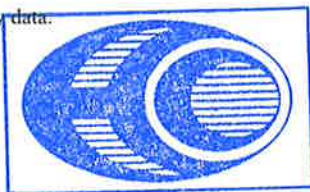
Tested Date : 15/11/2023 - 13/12/2023

Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	17,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	7.1	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	490	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.17	-

Physical Apperance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.8 L, PE 1.8 L, G 2.5 L]

Remark : 1./1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Miss Nunnaphat Bakhuntod is Technical Management.
5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *
6. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

18/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6611393

Report No. 6612-0770


TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited	Sample No.	:	W 66111358
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230	Sampling Date	:	14/11/2023
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sampling Time	:	10:10 AM
Sample Name	:	Holding Pond	Received Date	:	15/11/2023
Sampling By	:	ETC	Reported Date	:	18/12/2023
Sampling Method	:	Grab			
Tested Date	:	15/11/2023 – 13/12/2023			

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


Physical Appearance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 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. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
4. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By 
(Miss Apiradee Chuen-arom)
(ว-003-ค-0007)
18/12/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)
18/12/2023

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

COPY

Request No. W6611393

Report No. 6612-0770

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111358

Sample Name : Holding Pond Sampling Date : 14/11/2023

Sampling By : ETC Sampling Time : 10:10 AM

Sampling Method : Grab Received Date : 15/11/2023

Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ^{1/}
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, turbid, nonsmelling

2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]


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

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

18/12/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. W6611393

Report No. 6612-0770

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66111358

Sample Name : Holding Pond Sampling Date : 14/11/2023

Sampling By : ETC Sampling Time : 10:10 AM

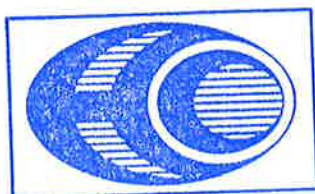
Sampling Method : Grab Received Date : 15/11/2023

Tested Date : 15/11/2023 – 13/12/2023 Reported Date : 18/12/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid, nonsmelling
2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.8 L, PE 1.0 L, G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

18/12/2023

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nerucha Mala (7-341-7-0004)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ**
Sampling Date : 11/12/66 **Report No.** : 660001-R1695
Sampling Time : 10.40 AM **Report Date** : 18/12/23
Sample No. : WW 1885/66 **Received Date** : 11/12/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 11/12/23-18/12/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	26	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	87	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	35	≤600
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	32	≤600
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤10
pH	-	Electrometric Method (SM 4500-H ⁺ B)	7.7	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	29.2	≤45
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	266	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	34.3	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	43.5	≤200
Sulfide	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ²⁻ F)	<0.5	≤1

Physical Appearance : Yellow turbid, Medium SS**Remark** : ^{1/} Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

** = ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Approved by :

(Miss Panida Ruamrarp)

7-341-7-0002

18/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nerucha Mala
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ**
Sampling Date : 11/12/66 **Report No.** : 660001-R1695
Sampling Time : 10.40 AM **Report Date** : 18/12/23
Sample No. : WW 1885/66 **Received Date** : 11/12/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 11/12/23-18/12/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.01	≤1

Physical Appearance : Yellow turbid, Medium SS

Remark : ^{1/} Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017).

** = ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)

Review by :

(Mr. Songkran Malaithong)

18/12/23

Approved by :

(Miss Panida Ruamlarp)

18/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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Test Report

Request No : W6612281

Report No : 6701-0305

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120985

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0305

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120985

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ^{1/}
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

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

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

5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณศูนย์น้ำเสีย)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0305

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120985

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/12/2023


Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

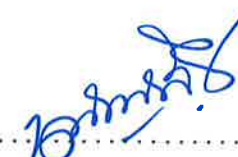
Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤ 0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤ 0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.18	≤ 5

Physical Appearance : 1. Sample : yellowish, turbid
2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*
5. ** = These data are non laboratory data. / ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
08/01/2024



Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0305

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120985

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ###**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.59	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	>160,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	1.5	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	>160,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.96	≤10

Physical Apperance : 1. Sample : yellowish, turbid

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang*

6. ** = These data are non laboratory data. /## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสุบน้ำเสีย)



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Examined By : 

(Miss Nunnaphat Bakhuntod)

08/01/2024

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Request No. W6612281

Report No. 6701-0305

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66120985
Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 11/12/2023
Sampling By : ETC Sampling Time : 10:40 AM
Sampling Method : Grab Received Date : 12/12/2023
Tested Date : 09/12/2023 – 06/01/2024 Reported Date : 08/01/2024

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

Physical Appearance : 1. Sample : yellowish, turbid
2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด
4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
5. Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)


Examined By 
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

08/01/2024

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COPY

Request No. W6612281

Report No. 6701-0305

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66120985

Sample Name : ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ## Sampling Date : 11/12/2023

Sampling By : ETC Sampling Time : 10:40 AM

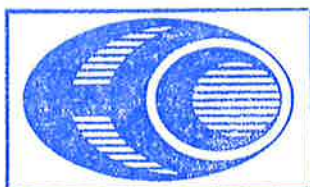
Sampling Method : Grab Received Date : 12/12/2023

Tested Date : 09/12/2023 ~ 06/01/2024 Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellowish, turbid
2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
4. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

08/01/2024

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Request No. W6612281

Report No. 6701-0305

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W 66120985
Sample Name	:	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ##	Sampling Date	: 11/12/2023
Sampling By	:	ETC	Sampling Time	: 10:40 AM
Sampling Method	:	Grab	Received Date	: 12/12/2023
Tested Date	:	09/12/2023 – 06/01/2024	Reported Date	: 08/01/2024
Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance :
1. Sample : yellowish, turbid
 2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]
- Remark :
1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. ## ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพของโครงการ (บริเวณสูบน้ำเสีย)
 5. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

08/01/2024

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 3-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nerucha Mala (3-341-3-0004)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Effluent)
Sampling Date : 11/12/66 **Report No.** : 660001-R1694
Sampling Time : 10.10 AM **Report Date** : 18/12/23
Sample No. : WW 1884/66 **Received Date** : 11/11/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 11/10/23-18/10/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	17	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	77	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H ⁺ B)	8.9	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	29.3	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	626	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	47.2	≤50
Sulfide	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ₂ ⁻ F)	<0.5	≤1

Physical Appearance : Green, Turbid**Remark** : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamlarp)

3-341-3-0002

18/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nerucha Mala
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Effluent)
Sampling Date : 11/12/66 **Report No.** : 660001-R1694
Sampling Time : 10.10 AM **Report Date** : 18/12/23
Sample No. : WW 1884/66 **Received Date** : 11/11/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 11/10/23-18/10/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.10	≤1

Physical Appearance : Green, Turbid

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).**Review by :**
(Mr. Songkran Malaithong)

18/12/23

Approved by :
(Miss Panida Ruamlarp)

18/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

Test Report

Request No : W6612281

Report No : 6701-0306

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120986

Sample Name : Effluent Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ^{1/}
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤ 1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤ 0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤ 1

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

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

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

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

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

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0306

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120986

Sample Name : Effluent Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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(จ-003-ท-0005)

08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0306

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120986

Sample Name : Effluent Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 12/12/2023


Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5


Physical Appearance : 1. Sample : lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*
5. ** = These data are non laboratory data.

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ค-0007)
08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 
(Miss Nunnaphat Bakhuntod)
(จ-003-ค-0005)
08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0306

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120986

Sample Name : Effluent Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	490	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	7.8	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	-

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L, G 0.25 L]

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

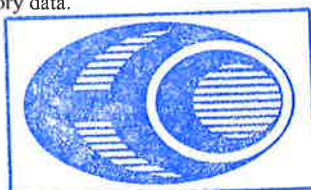
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang *

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

08/01/2024

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Request No. W6612281

Report No. 6701-0306

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66120986
Sample Name : Effluent Pond Sampling Date : 11/12/2023
Sampling By : ETC Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 12/12/2023
Tested Date : 09/12/2023 – 06/01/2024 Reported Date : 08/01/2024

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

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 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. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

4. Sampling By Mr. Supharerk Phatklang (ว-003-ค-0031)

Examined By

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

08/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

08/01/2024

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Request No. W6612281

Report No. 6701-0306

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66120986
Sample Name : Effluent Pond Sampling Date : 11/12/2023
Sampling By : ETC Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 12/12/2023
Tested Date : 09/12/2023 – 06/01/2024 Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]
Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

08/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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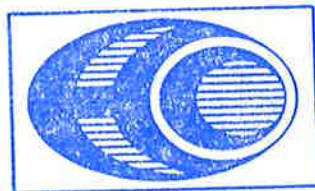
Request No. W6612281

Report No. 6701-0306

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited			
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230			
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	:	W 66120986
Sample Name	:	Effluent Pond	Sampling Date	:	11/12/2023
Sampling By	:	ETC	Sampling Time	:	10:20 AM
Sampling Method	:	Grab	Received Date	:	12/12/2023
Tested Date	:	09/12/2023 – 06/01/2024	Reported Date	:	08/01/2024
Parameter	Unit	Method	Result	Standard ^{1/}	
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND		

- Physical Apperance :
1. Sample : lightly SS, nonsmelling
 2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]
- Remark :
1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. Sampling By Mr. Supharerk Phatklang



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Examined By

(Miss Apiradee Chuen-arom)

08/01/2024

COPY

**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Siracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

REGISTERED LAB NO. 7-341

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nerucha Mala (7-341-7-0004)
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Holding Pond)
Sampling Date : 11/12/66 **Report No.** : 660001-R1693
Sampling Time : 09.05 AM **Report Date** : 18/12/23
Sample No. : WW 1883/66 **Received Date** : 11/12/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 11/12/23-18/12/23

Item / Parameter	Unit	Method ^{2/}	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM 4500-O G and 5210 B)	8	≤20
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM 5220 D)	<40	≤120
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Color (pH 7.00)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM 2120 F)	<20	≤300
Oil & Grease	mg/L	Partition-Gravimetric Method (SM 5520 B)	<3	≤5
pH	-	Electrometric Method (SM 4500-H ⁺ B)	8.5	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM 2550 B)	29.3	≤40
Total Dissolved Solids (TDS)	mg/L	Dried at 180 C (SM 2540 C)	186	≤3000
Total Kjeldahl Nitrogen (TKN)	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM 4500-N _{org} B and 4500-NH ₃ C)	<10	≤100
Total Suspended Solids (TSS)	mg/L	Dried at 103-105 C (SM 2540 D)	20.4	≤50
Sulfide	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method (SM 4500-S ₂ ⁻ F)	<0.5	≤1

Physical Appearance : Yellowish, Lightly SS**Remark** : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).^{2/} SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Approved by :

(Miss Panida Ruamrarp)

7-341-7-0002

18/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

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**PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD**

789/200 Moo 1, Nong-Kham, Sriracha, Chonburi, Thailand 20230

Tel : 033-136-574 to 6 ext. 321 , E-mail : grp-lab@pin-pure.com

TEST REPORT

Customer Name : Pinthong Industrial Park Public Co., Ltd
Address : 789 Moo 1, Nong Koh-Laem Chabang Road, T. Nong-Kham, A. Sriracha, Chonburi 20230 Thailand
Sampling By : Miss. Nerucha Mala
Sampling Method : GRAB
Sampling Name : PINTHONG INDUSTRIAL PARK PUBLIC CO., LTD. (Project 5), (Holding Pond)
Sampling Date : 11/12/66 **Report No.** : 660001-R1693
Sampling Time : 09.05 AM **Report Date** : 18/12/23
Sample No. : WW 1883/66 **Received Date** : 11/12/23
Container of Sample : PE 0.5 L, PE 2.0 L, G 1.0 L, G 0.3 L **Analytical Date** : 11/12/23-18/12/23

Item / Parameter	Unit	Method	Result	Standard ^{1/}
Free Chlorine	mg/L	Portable Photometer	0.00	≤1

Physical Appearance : Yellowish, Lightly SS

Remark : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2559 (2016).**Review by :**

(Mr. Songkran Malaithong)

18/12/23

Approved by :

(Miss Panida Ruamlarp)

18/12/23



PINTHONG UTILITIES AND RENEWABLE ENERGY CO., LTD.

REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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Test Report

Request No : W6612281

Report No : 6701-0307

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120987

Sample Name : Holding Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤1
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤2
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN- C, E)	< 0.020	≤0.2
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	≤1

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L]

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

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (ว-003-ก-0031)*

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

08/01/2024



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Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0307

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120987

Sample Name : Holding Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.2
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 5
Mercury #	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L]

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

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

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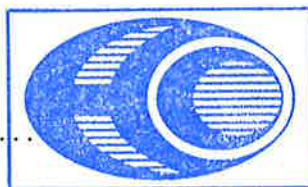
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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-0007)

08/01/2024



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Approved By :

(Miss Nunnaphat Bakhuntod)

(จ-003-ท-0005)

08/01/2024

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Test Report

Request No : W6612281

Report No : 6701-0307

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120987

Sample Name : Holding Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.02
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	≤0.75
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤5

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L]

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

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

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-0031)*

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-0007)
08/01/2024



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(จ-003-ก-0005)
08/01/2024

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Test Report

Request No : W6612281

Customer : Pinthong Industrial Park Public Company Limited**

Report No : 6701-0307

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66120987

Sample Name : Holding Pond**

Sampling Date : 11/12/2023**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 12/12/2023

Tested Date : 09/12/2023 - 06/01/2024

Reported Date : 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	54,000	-
Dissolved Oxygen *	mg/L	Membrane Electrode Method (SM:4500 -O G)	6.2	-
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	110	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	-

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [5 Bottle], PE 2.0 L, G 2.5 L]

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

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang *

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



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Examined By : 

(Miss Nunnaphat Bakhuntod)

08/01/2024

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Request No. W6612281

Report No. 6701-0307

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W 66120987
Sample Name : Holding Pond Sampling Date : 11/12/2023
Sampling By : ETC Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 12/12/2023
Tested Date : 09/12/2023 – 06/01/2024 Reported Date : 08/01/2024

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

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 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. **** ต้องตรวจไม่พบตามวิธีตรวจสอบที่กำหนด

4. Sampling By Mr. Supharerk Phatklang (ว-003-ก-0031)

Examined By

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

08/01/2024



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Approved By

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

08/01/2024

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Request No. W6612281

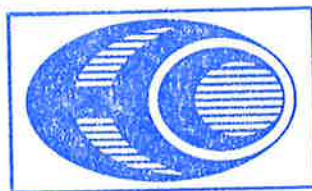
Report No. 6701-0307

TEST REPORT


Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W 66120987
Sample Name	:	Holding Pond	Sampling Date	: 11/12/2023
Sampling By	:	ETC	Sampling Time	: 10:10 AM
Sampling Method	:	Grab	Received Date	: 12/12/2023
Tested Date	:	09/12/2023 – 06/01/2024	Reported Date	: 08/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

- Physical Apperance :
1. Sample : lightly SS, nonsmelling
 2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]
- Remark :
1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
 2. *** Tested by Analytical Laboratory Service Co.,Ltd.
 3. Sampling By Mr. Supharek Phatklang



Examined By



(Miss Apiradee Chuen-arom)

08/01/2024

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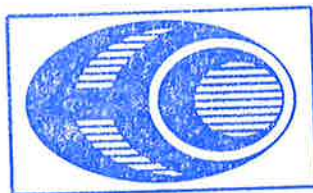
Request No. W6612281

Report No. 6701-0307

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W 66120987
Sample Name	:	Holding Pond	Sampling Date	: 11/12/2023
Sampling By	:	ETC	Sampling Time	: 10:10 AM
Sampling Method	:	Grab	Received Date	: 12/12/2023
Tested Date	:	09/12/2023 – 06/01/2024	Reported Date	: 08/01/2024
Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance : 1. Sample : lightly SS, nonsmelling
2. Container : Normal [PE 0.5 L (5 Bottle) , PE 2.0 L, G 2.5 L, G 0.25 L]
- Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By



(Miss Apiradee Chuen-arom)

08/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071919
Sample Name : หัวหมากเชียงก่อนไหลผ่านฝายน้ำล้น ###** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:15 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	19.4	๗
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	160,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	4.32	-
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๗ = เป็นไปตามธรรมชาติ / ๗** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (๖-003-๓-7280)*
8. ## หัวหมากเชียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาดินทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

24/08/2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited**	Sample No.	:	W66071919
Address	:	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**	Sampling Date	:	21/07/2023**
Sampling Source	:	Surface Water (Pinthong Project 5)**	Sampling Time	:	9:15 AM**
Sample Name	:	ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##**	Received Date	:	22/07/2023
Sampling By	:	ETC**	Reported Date	:	24/08/2023
Sampling Method	:	Grab**			
Tested Date	:	22/07/2023 – 15/08/2023			

Parameter	Unit	Method	Result	Standard ¹
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.56	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.0	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	26	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	250	-

- Physical Apperance :
1. Sample : yellow, lightly SS
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
 4. Parameter Outside The Scope of The Registration of Department of Industrial Works
 5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมุมิของน้ำจะต้องไม่สูงกว่าคุณหมุมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
 6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
 7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakpoom Buasawad (๖-003-๓-7280)*
 8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต.มาบคอง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
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Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071919
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:15 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	13	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	42	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมึกของน้ำจะต้องไม่สูงกว่าคุณหมึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (๖-003-๓-7280)*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
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Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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Request No. W6607538

Report No. 6608-1324

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071919
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 9:15 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
4. Sampling By Mr. Pakrpoom Buasawad (1-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607538

Report No. 6608-1324

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071919
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 9:15 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 1)
4. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607538

Report No. 6608-1324

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071919
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 9:15 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 1)
5. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



Examined By

(Miss Apiradee Chuen-arom)

24/08/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071920
Sample Name : ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้น###** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	11.5	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0030	≤ 0.01
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.2	≤ 4
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	57	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	not available	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakpoom Buasawad (ว-003-ท-7280)*
8. ## ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071920
Sample Name : หัวขบวนเอียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	14.1	10
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	13,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	7.66	-
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (ว-003-ก-7280)*
8. ## หัวขบวนเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
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Examined By.....
(Miss Nunnaphat Bakhuntod)
24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071920
Sample Name : หัวขบวนเอียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation,Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	302	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมอน้ำจะต้องไม่สูงกว่าคุณหมอน้ำตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (๖-003-๓-7280)*
8. ## หัวขบวนเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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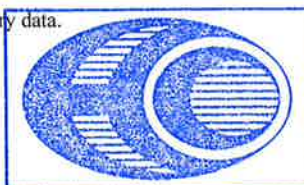
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071920
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	16	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	135	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤ 1

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ข = เป็นไปตามธรรมชาติ / ข ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)*
8. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
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Request No. W6607538

Report No. 6608-1325

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071920
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹⁾
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
4. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



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Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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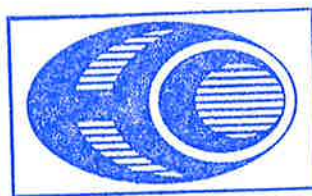
Report No. 6608-1325

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071920
 Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 21/07/2023
 Sampling By : ETC Sampling Time : 9:45 AM
 Sampling Method : Grab Received Date : 22/07/2023
 Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, turbid
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
 Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by Analytical Laboratory Service Co.,Ltd.
 3. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
 4. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607538

Report No. 6608-1325

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071920
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น ## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071921
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร### Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:30 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	16.0	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0031	≤ 0.01
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.2	≤ 4
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.007	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	45	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	not available	-

- Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ร = เป็นไปตามธรรมชาติ / ร ** = คุณหมิของน้ำจะต้องไม่สูงกว่าคุณหมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (จ-003-ก-7280)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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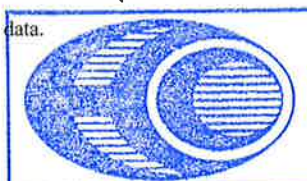
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071921
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร*** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:30 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	16.4	๗
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	11,000	-
Flow Rate *	m ³ /day	Calculation Method	777.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.99	-
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrboom Buasawad (จ-003-ค-7280)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
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Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited**	Sample No.	:	W66071921
Address	:	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**	Sampling Date	:	21/07/2023**
Sampling Source	:	Surface Water (Pinthong Project 5)**	Sampling Time	:	9:30 AM**
Sample Name	:	ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร###	Received Date	:	22/07/2023
Sampling By	:	ETC**	Reported Date	:	24/08/2023
Sampling Method	:	Grab**			
Tested Date	:	22/07/2023 – 15/08/2023			

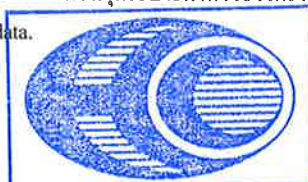
Parameter	Unit	Method	Result	Standard ¹
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.18	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	26	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	318	-

Physical Apperance :

1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark :

1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (๖-003-๓-7280)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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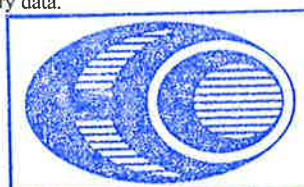
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071921
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร*** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 9:30 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	12	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	107	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

- Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ร = เป็นไปตามธรรมชาติ / ร ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakpoom Buasawad (ว-003-ก-7280)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
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24/08/2023

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Request No. W6607538

Report No. 6608-1326

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071921
Sample Name : ห้วยมาบเียงที่ระยะประมาณ 500 เมตร## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
4. Sampling By Mr. Pakrcom Buasawad (ว-003-ค-7280)



Examined By.....

(Miss Apiradee Chuen-arom)

24/08/2023

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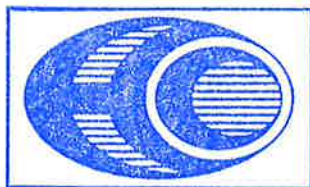
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Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071921
 Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 21/07/2023
 Sampling By : ETC Sampling Time : 9:30 AM
 Sampling Method : Grab Received Date : 22/07/2023
 Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, turbid
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
 Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by Analytical Laboratory Service Co.,Ltd.
 3. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
 4. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



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24/08/2023

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Request No. W6607538

Report No. 6608-1326

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230		
Sampling Source	:	Surface Water (Pinthong Project 5)	Sample No.	: W66071921
Sample Name	:	ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ##	Sampling Date	: 21/07/2023
Sampling By	:	ETC	Sampling Time	: 9:30 AM
Sampling Method	:	Grab	Received Date	: 22/07/2023
Tested Date	:	22/07/2023 – 15/08/2023	Reported Date	: 24/08/2023
Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance :
1. Sample : yellow, turbid
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
 5. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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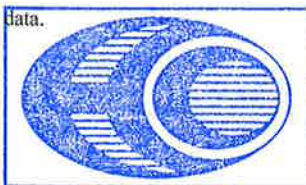
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071922
Sample Name : ห้วยมาบเียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	11.3	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0042	≤ 0.01
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.5	≤ 4
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	73	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	not available	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มึความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มึความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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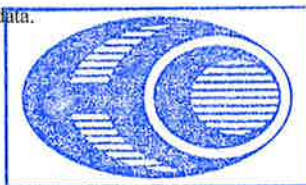
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Sample Name : ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	20.4	15
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	17,000	-
Flow Rate *	m ³ /day	Calculation Method	1,075	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	7.81	-
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

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Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071922
Sample Name : ห้วยมาบเอี้ยงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation,Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	275	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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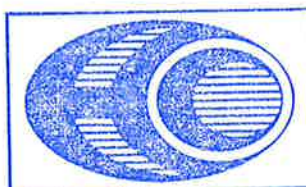
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TEST REPORT

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Sample Name : ห้วยมาเอียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 21/07/2023**
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Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	9	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	168	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1

- Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (๖-003-๓-7280)*
8. ** = These data are non laboratory data.



Examined By. 
(Miss Nunnaphat Bakhuntod)

24/08/2023

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Request No. W6607538

Report No. 6608-1327

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071922
Sample Name : ห้วยมาบเรียงจุดระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. Sampling By Mr. Pakpoom Buasawad (๖-003-๓-7280)



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607538

Report No. 6608-1327

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Læm Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071922

Sample Name : ห้วยมาบเียงจตุระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 21/07/2023

Sampling By : ETC Sampling Time : 10:00 AM

Sampling Method : Grab Received Date : 22/07/2023

Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607538

Report No. 6608-1327

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071922

Sample Name : ห้วยมาบเียงจุระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 21/07/2023

Sampling By : ETC Sampling Time : 10:00 AM

Sampling Method : Grab Received Date : 22/07/2023

Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



Examined By

(Miss Apiradee Chuen-arom)

24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071923
Sample Name : ห้วยมาบเหียงหลังจตุรระบายน้ำทิ้งของโครงการ###** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:10 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	10.8	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0039	≤ 0.01
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	24.5	≤ 4
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	48	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	not available	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakpoom Buasawad (๖-003-๓-7280)*
8. ## ห้วยมาบเหียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071923
Sample Name : ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการ### Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:10 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	26.6	11
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	92,000	-
Flow Rate *	m ³ /day	Calculation Method	2,073	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	7.05	-
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakpoom Buasawad (๖-003-๓-7280)*
8. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
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Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071923
Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:10 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.23	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	229	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakrpoom Buasawad (จ-003-ค-7280)*
8. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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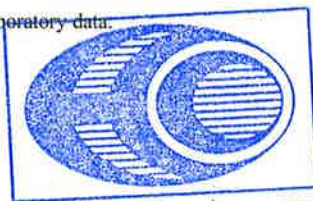
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66071923
Sample Name : ห้วยมาบเหียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 21/07/2023**
Sampling By : ETC** Sampling Time : 10:10 AM**
Sampling Method : Grab** Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	14	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	210	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1

- Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Pakpoom Buasawad (จ-003-ก-7280)*
8. ## ห้วยมาบเหียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

24/08/2023

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Request No. W6607538

Report No. 6608-1328

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkroh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071923
Sample Name : ห้วยมาบเรียงหลังจตุระบายน้ำทิ้งของโครงการ## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography	Not Detected	None

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเรียงหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
4. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

24/08/2023

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Request No. W6607538

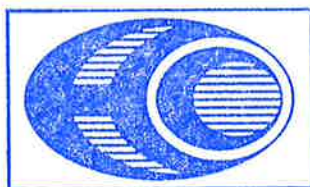
Report No. 6608-1328

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071923
Sample Name : ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 21/07/2023
Sampling By : ETC Sampling Time : 10:10 AM
Sampling Method : Grab Received Date : 22/07/2023
Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
4. Sampling By Mr. Pakrboom Buasawad (ว-003-ค-7280)



Examined By

(Miss Apiradee Chuen-arom)

24/08/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. W6607538

Report No. 6608-1328

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66071923

Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 21/07/2023

Sampling By : ETC Sampling Time : 10:10 AM

Sampling Method : Grab Received Date : 22/07/2023

Tested Date : 22/07/2023 – 15/08/2023 Reported Date : 24/08/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

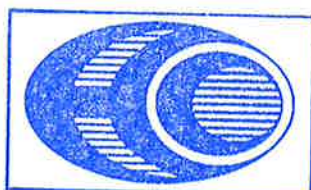
Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)

5. Sampling By Mr. Pakrpoom Buasawad (ว-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

24/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082134
Sample Name : ห้วยมาบเขียงก่อนไหลผ่านฝายน้ำล้น ### Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:03 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.39	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0051	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.3	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.5	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๕ = เป็นไปตามธรรมชาติ / ๕** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-๓-0036)*
8. ## ห้วยมาบเขียงก่อนไหลผ่านฝายน้ำล้นของ อบต. บางคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data



Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082134
Sample Name : ห้วยมาบเียงก่อนไหลผ่านฝายน้ำล้น *** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:03 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	17.5	10
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	17,000	-
Flow Rate *	m ³ /day	Calculation Method	290.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.97	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)*
8. ## ห้วยมาบเียงก่อนไหลผ่านฝายน้ำล้นของ อุต.ฯ ตั้งตรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082134
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น *** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:03 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.39	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.4	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation,Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	280	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakulsukul (๓-003-๓-0036)*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต.เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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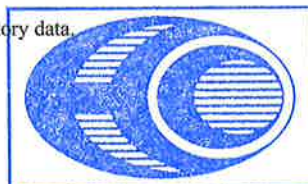
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082134
Sample Name : ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้น ###** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:03 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	26	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	43	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03	≤ 1

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)*
8. ## ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. W6608581

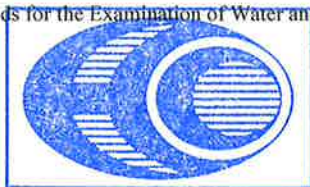
Report No. 6610-0210

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082134
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น## Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:03 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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3. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
4. Sampling By Miss Pornpinan Viriyakusolkul
5. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.



Examined By.....

(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0210

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082134
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:03 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0210

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082134

Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 25/08/2023

Sampling By : ETC Sampling Time : 9:03 AM

Sampling Method : Grab Received Date : 26/08/2023

Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 1)

5. Sampling By Miss Pornpinan Viriyakusolkul



Examined By



(Miss Apiradee Chuen-arom)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082135
Sample Name : หัวขามเบียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:23 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.71	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0029	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.16	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.6	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	45	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.4	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ร = เป็นไปตามธรรมชาติ / ร ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)*
8. ## หัวขามเบียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082135
Sample Name : ห้วยมามเอียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:23 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	22.4	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	54,000	-
Flow Rate *	m ³ /day	Calculation Method	1,762	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	3.15	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakusolkul (ว-003-ก-0036)*
8. ## ห้วยมามเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082135
Sample Name : ห้วยมาบเียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:23 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.83	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.4	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation,Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	30	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	352	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมิของน้ำจะต้องไม่สูงกว่าคุณหมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ค-0036)*
8. ## ห้วยมาบเียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
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บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

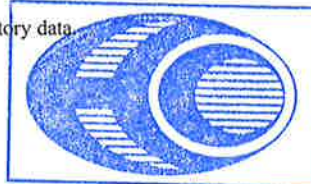
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082135
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:23 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	11	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	60	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakusolkul (๖-003-๓-0036)*
8. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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Request No. W6608581

Report No. 6610-0211

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082135
Sample Name : ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:23 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹⁾
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเคียงเหนือ (SW 2)
4. Sampling By Miss Pornpinan Viriyakusolkul
5. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0211

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082135

Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 25/08/2023

Sampling By : ETC Sampling Time : 9:23 AM

Sampling Method : Grab Received Date : 26/08/2023

Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹⁾
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)

4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0211

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082135

Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น ## Sampling Date : 25/08/2023

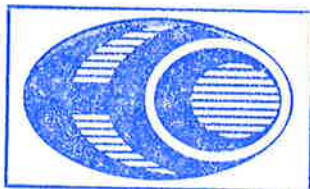
Sampling By : ETC Sampling Time : 9:23 AM

Sampling Method : Grab Received Date : 26/08/2023

Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Miss Pornpinan Viriyakusolkul



Examined By

(Miss Apiradee Chuen-arom)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082136
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร###** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:15 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.20	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0026	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.15	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.7	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.2	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ก-0036)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนที่จะระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082136
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:15 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	13.9	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	160,000	-
Flow Rate *	m ³ /day	Calculation Method	487.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.58	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๓-003-ก-0036)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082136
Sample Name : หัวขบวนเบียงที่ระยะประมาณ 500 เมตร###** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:15 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.66	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	28	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	252	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakusolkul (๓-003-๓-0036)*
8. ## หัวขบวนเบียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data



Examined By.....
(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082136
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร### Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:15 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	6	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	20	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมูนึกของน้ำจะต้องไม่สูงกว่าคุณหมูนึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-๓-0036)*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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Request No. W6608581

Report No. 6610-0212

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082136
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร## Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:15 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
4. Sampling By Miss Pompinan Viriyakusolkul
5. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.



Examined By.....

(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0212

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082136

Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 25/08/2023

Sampling By : ETC Sampling Time : 9:15 AM

Sampling Method : Grab Received Date : 26/08/2023

Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)

4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0212

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082136

Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 25/08/2023

Sampling By : ETC Sampling Time : 9:15 AM

Sampling Method : Grab Received Date : 26/08/2023

Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

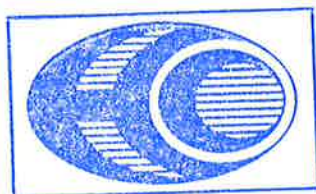
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)

5. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

07/10/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082137
Sample Name : ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.28	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	< 0.0020	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.2	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (1-003-ก-0036)*
8. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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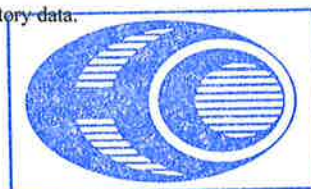
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082137
Sample Name : หัวขบวนเขียงจุลระบายนน้ำทิ้งของโครงการ (SW4)** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	13.9	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	2,300	-
Flow Rate *	m ³ /day	Calculation Method	556.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.78	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-๓-0036)*
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(Miss Nunnaphat Bakhuntod)

07/10/2023

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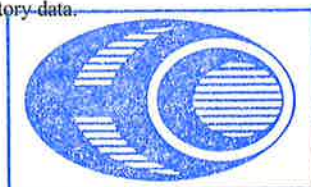
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082137
Sample Name : ห้วยมาบเอื้องจุลระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.1	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	30	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	190	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ก-0036)*
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(Miss Nunnaphat Bakhuntod)
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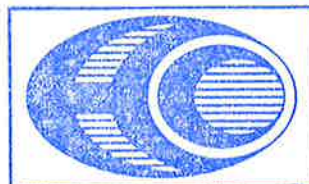
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082137
Sample Name : ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:45 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	27	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-๓-0036)*
8. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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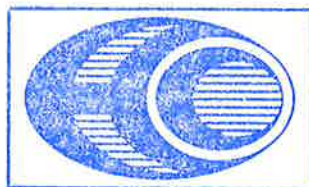
Report No. 6610-0213

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230		
Sampling Source	:	Surface Water (Pinthong Project 5)	Sample No.	: W66082137
Sample Name	:	ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (SW4)	Sampling Date	: 25/08/2023
Sampling By	:	ETC	Sampling Time	: 9:45 AM
Sampling Method	:	Grab	Received Date	: 26/08/2023
Tested Date	:	26/08/2023-12/09/2023	Reported Date	: 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. Sampling By Miss Pornpinan Viriyakusolkul
4. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

07/10/2023

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Report No. 6610-0213

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082137
Sample Name : ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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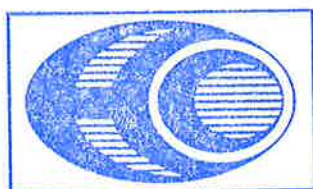
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082137
Sample Name : ห้วยมาบเอียงจตุรธารน้ำทิ้งของโครงการ (SW4) Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082138
Sample Name : ห้วยมาบเขียวหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.31	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0022	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.16	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.9	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.4	-

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

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

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

3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]

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

5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส

6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร

Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร

7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-ค-0036)*

8. ## ห้วยมาบเขียวหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)

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



Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082138
Sample Name : ห้วยมาบเอียงหลังจตุระบานน้ำทิ้งของโครงการ##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	11.7	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	>160,000	-
Flow Rate *	m ³ /day	Calculation Method	279.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.16	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-ค-0036)*
8. ## ห้วยมาบเอียงหลังจตุระบานน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
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(Miss Nunnaphat Bakhuntod)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082138
Sample Name : ห้วยมาบเขียวหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.35	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.1	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation,Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	30	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	175	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ก-0036)*
8. ## ห้วยมาบเขียวหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
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Examined By.....
(Miss Nunnaphat Bakhuntod)
07/10/2023

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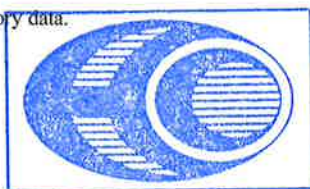
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66082138
Sample Name : ห้วยมาบเรียงหลังจตุระบายน้ำทิ้งของโครงการ##** Sampling Date : 25/08/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	38	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994), Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ค-0036)*
8. ## ห้วยมาบเรียงหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

07/10/2023

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Request No. W6608581

Report No. 6610-0214

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited	Sample No.	:	W66082138
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230	Sampling Date	:	25/08/2023
Sampling Source	:	Surface Water (Pinthong Project 5)	Sampling Time	:	9:55 AM
Sample Name	:	ห้วยมาบเอียงหลังจุดระบายน้ำทิ้งของโครงการ##	Received Date	:	26/08/2023
Sampling By	:	ETC	Reported Date	:	07/10/2023
Sampling Method	:	Grab			
Tested Date	:	26/08/2023-12/09/2023			

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Cis-Chlordane	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None
Endrin Ketone	µg/L	Liquid-Liquid Extraction Gas Chromatography (SM:6410B)	Not Detected	None

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. ## ห้วยมาบเอียงหลังจุดระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
4. Sampling By Miss Pornpinan Viriyakusolkul
5. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.



Examined By.....

(Miss Apiradee Chuen-arom)

07/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. W6608581

Report No. 6610-0214

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082138

Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 25/08/2023

Sampling By : ETC Sampling Time : 9:55 AM

Sampling Method : Grab Received Date : 26/08/2023

Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS

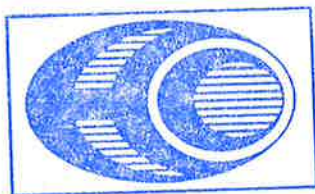
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)

4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

07/10/2023

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Request No. W6608581

Report No. 6610-0214

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66082138
Sample Name : ห้วยมาบเอียงหลังจตุระบายน้ำทิ้งของโครงการ## Sampling Date : 25/08/2023
Sampling By : ETC Sampling Time : 9:55 AM
Sampling Method : Grab Received Date : 26/08/2023
Tested Date : 26/08/2023-12/09/2023 Reported Date : 07/10/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
5. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

07/10/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092068
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 -- 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.89	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0050	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	11.8	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.4	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited. Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เพาะดินทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

REPORTED TESTS. REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092068
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ###** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	21.6	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	13,000	-
Flow Rate *	m ³ /day	Calculation Method	1,555	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	2.31	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
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20/11/2023

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TEST REPORT

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Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ###** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.99	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	28	† **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	224	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. † = เป็นไปตามธรรมชาติ / † ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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20/11/2023

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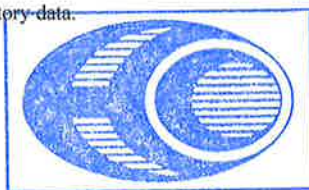
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092068
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น *** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	9	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	31	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03	≤ 1

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)
20/11/2023

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Request No. W6609557

Report No. 6611-1457

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092068
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:00 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
5. Sampling By Miss Hornpinan Viriyakusolkul



Examined By.....

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1457

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092068
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:00 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By 

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1457

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092068

Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 22/09/2023

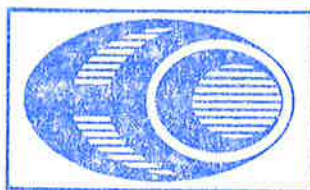
Sampling By : ETC Sampling Time : 9:00 AM

Sampling Method : Grab Received Date : 23/09/2023

Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance :
1. Sample : yellow, lightly SS
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
 5. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By



(Miss Apiradee Chuen-arom)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092069
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:25 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.24	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0029	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	48	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.5	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ร = เป็นไปตามธรรมชาติ / ร ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092069
Sample Name : ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:25 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	92,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	16.7	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	4,900	-
Flow Rate *	m ³ /day	Calculation Method	1,771	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	2.80	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited. Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092069
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:25 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.56	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	29	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	322	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakusolkul*
8. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต.เจาต้นหวง บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 2)
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Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

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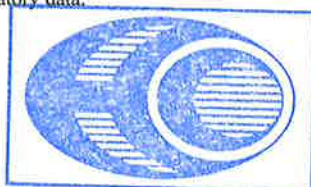
COPY

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092069
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:25 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	53	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L.]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakusolkul*
8. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)
20/11/2023

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Request No. W6609557

Report No. 6611-1458

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkham-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092069
Sample Name : ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:25 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Miss Pornpiman Viriyakusolkul



Examined By.....

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

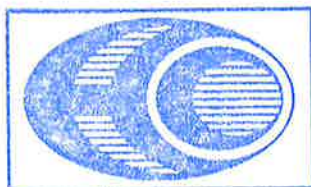
Report No. 6611-1458

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092069
Sample Name : ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:25 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1458

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092069

Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น ## Sampling Date : 22/09/2023

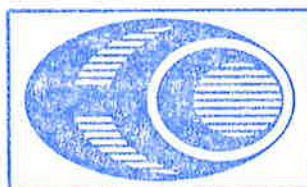
Sampling By : ETC Sampling Time : 9:25 AM

Sampling Method : Grab Received Date : 23/09/2023

Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Miss Pornpinan Viriyakusolkul



Examined By

(Miss Apiradee Chuen-arom)

20/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092070
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.72	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0061	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.4	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ร = เป็นไปตามธรรมชาติ / ร ** = คุณหมึกของน้ำจะต้องไม่สูงกว่าคุณหมึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจะระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092070
Sample Name : ห้วยมาบเียงที่ระยะประมาณ 500 เมตร*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	92,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	25.3	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	35,000	-
Flow Rate *	m ³ /day	Calculation Method	4,907	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	5.87	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมึกของน้ำจะต้องไม่สูงกว่าคุณหมึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pimpinan Viriyakusolkul*
8. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092070
Sample Name : ห้วยมาบเขียวที่ระยะประมาณ 500 เมตร*** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.32	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.0	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S ₂ -F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	316	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเขียวที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
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20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092070
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร### Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	117	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

- Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data



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Examined By.....

(Miss Nunnaphat Bakhuntod)

20/11/2023

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Request No. W6609557

Report No. 6611-1459

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkham-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092070
Sample Name : ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:10 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
5. Sampling By Miss Pormpinan-Viriyakusolkul



Examined By.....

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

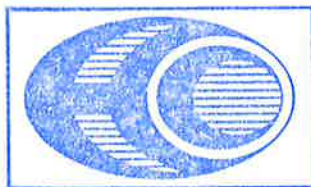
Report No. 6611-1459

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkroh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092070
Sample Name : ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:10 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
4. Sampling By Miss Pornpinan Viriyakusolkul



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Examined By



(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1459

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkeh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092070

Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 22/09/2023

Sampling By : ETC Sampling Time : 9:10 AM

Sampling Method : Grab Received Date : 23/09/2023

Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)

5. Sampling By Miss Pornpinan Viriyakusolkul



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Examined By

(Miss Apiradee Chuen-arom)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092071
Sample Name : ห้วยมาบเรียงจตุระบายน้ำทั้งของโครงการ (SW4)** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	7.21	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0073	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.2	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.6	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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8. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

20/11/2023

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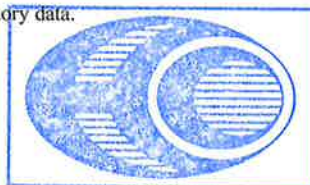
TEST REPORT


Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092071
Sample Name : ห้วยมาบเขียวจุระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	92,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	15.8	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	4,900	-
Flow Rate *	m ³ /day	Calculation Method	2,592	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	4.25	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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Examined By. 
(Miss Nunnaphat Bakhuntod)
20/11/2023

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Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092071
Sample Name : ห้วยมาบเขียวจุลระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.1	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	29	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	259	-

Physical Apperance :
1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

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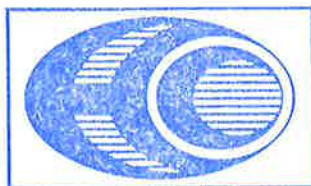
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092071
Sample Name : ห้วยมาบเอียงจตุรระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	77	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

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Request No. W6609557

Report No. 6611-1460

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092071
Sample Name : ห้วยมาบเรียงจุลระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:40 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Sampling By Miss Porppinan Viriyakusolkul



Examined By.....

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1460

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092071

Sample Name : ห้วยมาบเรียงจุดระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 22/09/2023

Sampling By : ETC Sampling Time : 9:40 AM

Sampling Method : Grab Received Date : 23/09/2023

Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

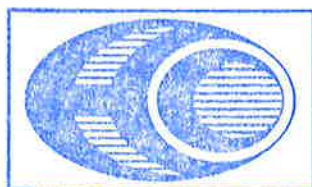
Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1460

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092071

Sample Name : ห้วยมาบเจียงจตุระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 22/09/2023

Sampling By : ETC Sampling Time : 9:40 AM

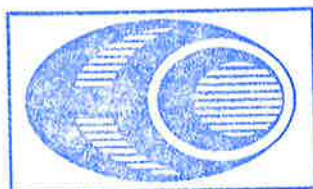
Sampling Method : Grab Received Date : 23/09/2023

Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Miss Pornpinan Viriyakusolkul



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092072
Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ### Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	5.12	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0050	≤ 0.01
Barium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.4	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092072
Sample Name : ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	16.7	10
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.002	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	13,000	-
Flow Rate *	m ³ /day	Calculation Method	1,728	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	3.29	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data



Examined By.....
(Miss Nunnaphat Bakhuntod)

20/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092072
Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ### Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	29	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	166	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakul*
8. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

20/11/2023

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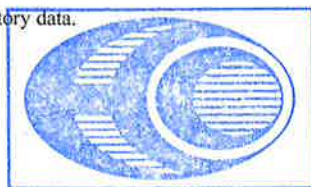
COPY

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66092072
Sample Name : ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 22/09/2023**
Sampling By : ETC** Sampling Time : 9:55 AM**
Sampling Method : Grab** Received Date : 23/09/2023
Tested Date : 23/09/2023 ~ 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	69	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤ 1

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISL, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul*
8. ## ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

20/11/2023

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Request No. W6609557

Report No. 6611-1461

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092072
Sample Name : ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:55 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
5. Sampling By Miss Pornpinan Viriyakusolkul



Examined By.....

(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

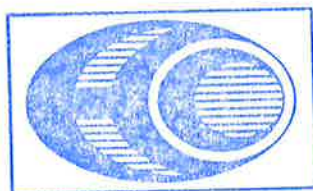
Report No. 6611-1461

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092072
Sample Name : ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 22/09/2023
Sampling By : ETC Sampling Time : 9:55 AM
Sampling Method : Grab Received Date : 23/09/2023
Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
4. Sampling By Miss Pornpinan Viriyakusolkul



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Examined By



(Miss Apiradee Chuen-arom)

20/11/2023

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Request No. W6609557

Report No. 6611-1461

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66092072

Sample Name : ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 22/09/2023

Sampling By : ETC Sampling Time : 9:55 AM

Sampling Method : Grab Received Date : 23/09/2023

Tested Date : 23/09/2023 – 10/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

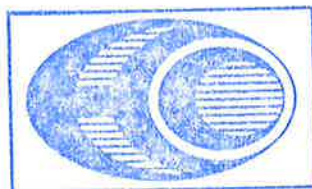
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. ## ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)

5. Sampling By Miss Pornpinan Viriyakusolkul



Examined By



(Miss Apiradee Chuen-arom)

20/11/2023

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TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited**	Sample No.	:	W66101796
Address	:	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**	Sampling Date	:	20/10/2023**
Sampling Source	:	Surface Water (Pinthong Project 5)**	Sampling Time	:	9:40 AM**
Sample Name	:	ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้น ##**	Received Date	:	21/10/2023
Sampling By	:	ETC**	Reported Date	:	30/11/2023
Sampling Method	:	Grab**			
Tested Date	:	21/10/2023 – 28/11/2023			

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0036	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.8	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	< 0.1	

Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark :
- /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
 - @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
 - Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
 - Parameter Outside The Scope of The Registration of Department of Industrial Works
 - ร = เป็นไปตามธรรมชาติ / ร ** = คุณหมึกของน้ำจะต้องไม่สูงกว่าคุณหมึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
 - *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
 - * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
 - ## ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้นของงานชลประทานบริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
 - ** = These data are non laboratory data



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101796
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##*** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	92,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	21.4	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	24,000	-
Flow Rate *	m ³ /day	Calculation Method	173.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	<0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.36	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓** = คุณภาพของน้ำจะต้องไม่สูงกว่าคุณภาพตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited. Sampling By Mr. Songpon Phiwan*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อปท. ต.บ้านกรวด อ.บ้านกรวด จ.บุรีรัมย์ บริเวณเนินสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101796
Sample Name : ห้วยมาบเหียงก่อนไหลผ่านฝายน้ำล้น ##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.53	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	6.8	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	30	ร **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	198	-

Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเหียงก่อนไหลผ่านฝายน้ำล้นของ อบข. เทศบาลนคร บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101796
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 9:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	6	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	8	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.03	≤ 1

- Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ข = เป็นไปตามธรรมชาติ / ข ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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Request No. W6610513

Report No. 6611-2060

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101796
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น## Sampling Date : 20/10/2023
Sampling By : ETC Sampling Time : 9:40 AM
Sampling Method : Grab Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 1)
5. Sampling By Mr. Songpon Phuyuan



Examined By.....

(Miss Apiradee Chuen-arom)

30/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. W6610513

Report No. 6611-2060

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101796

Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 9:40 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹⁾
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)

4. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2060

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101796

Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 20/10/2023

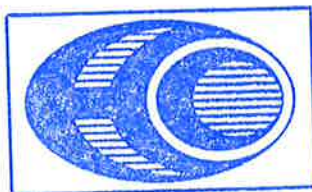
Sampling By : ETC Sampling Time : 9:40 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance :
1. Sample : yellowish, lightly SS
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
 5. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited**	Sample No.	:	W66101797
Address	:	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**	Sampling Date	:	20/10/2023**
Sampling Source	:	Surface Water (Pinthong Project 5)**	Sampling Time	:	10:00 AM**
Sample Name	:	ห้วยมาบเขียวหลังไหลผ่านฝายน้ำล้น##**	Received Date	:	21/10/2023
Sampling By	:	ETC**	Reported Date	:	30/11/2023
Sampling Method	:	Grab**			
Tested Date	:	21/10/2023 – 28/11/2023			

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.36	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0047	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.15	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเขียวหลังไหลผ่านฝายน้ำล้นของ อบต. ชลประทาน บริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 2)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101797
Sample Name : หัวยมานเชียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	23.5	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	4,900	-
Flow Rate *	m ³ /day	Calculation Method	1,088	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.13	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## หัวยมานเชียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
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Examined By.....
(Miss Nunnaphat Bakhuntod)
30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101797
Sample Name : หัวยมาบเชียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.50	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.0	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	31	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	325	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## หัวยมาบเชียงหลังไหลผ่านฝายน้ำล้นของ อบต. เนินทรายบริเวณถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 2)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101797
Sample Name : หัวยมบเชียงหลังไหลผ่านฝายน้ำล้น##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:00 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	170	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

- Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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 Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## หัวยมบเชียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
9. ** = These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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Request No. W6610513

Report No. 6611-2061

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101797
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 20/10/2023
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow,turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Mr. Songpon Phiyuan



Examined By.....

(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

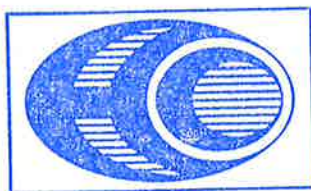
Report No. 6611-2061

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101797
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 20/10/2023
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow,turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
4. Sampling By Mr. Songpon Phiwuan



Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2061

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101797

Sample Name : ห้วยมาบเอียงหลังไถ่ผ่านฝายน้ำล้น ## Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 10:00 AM

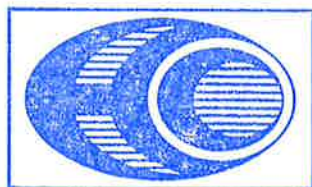
Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FiD) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow,turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังไถ่ผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101798
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 8:50 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	9.62	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0054	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	< 0.1	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๙ = เป็นไปตามธรรมชาติ / ๙ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร โครงการ (SW 3)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited**	Sample No.	:	W66101798
Address	:	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**	Sampling Date	:	20/10/2023**
Sampling Source	:	Surface Water (Pinthong Project S)**	Sampling Time	:	8:50 AM**
Sample Name	:	ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร###	Received Date	:	21/10/2023
Sampling By	:	ETC**	Reported Date	:	30/11/2023
Sampling Method	:	Grab**			
Tested Date	:	21/10/2023 -- 28/11/2023			

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	18.2	ท
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	160,000	-
Flow Rate *	m ³ /day	Calculation Method	544.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	9.52	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.013	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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3. Miss Nunnaphat Bakhuntod is Technical Management, / MDL = Method Detection Limit | MDL of Cyanide = 0.008 mg/L |
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดรวมน้ำของโครงการ (SW 3)
9. ** = These data are non laboratory data



Examined By 
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101798
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 8:50 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.60	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.0	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S ₂ -F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	30	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	309	-


Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดบรรจบน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data



Examined By: 
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101798
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 8:50 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	196	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

- Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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Request No. W6610513

Report No. 6611-2062

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101798
Sample Name : ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร## Sampling Date : 20/10/2023
Sampling By : ETC Sampling Time : 8:50 AM
Sampling Method : Grab Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร ก่อนจกระบายน้ำทิ้งของโครงการ (SW 3)
5. Sampling By Mr. Songpon Phivuan



Examined By.....

(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2062

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkroh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101798

Sample Name : ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 8:50 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ห้วยมาบเรียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)

4. Sampling By Mr. Songpon Phiwuan



Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2062

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101798

Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 8:50 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11 2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Apperance :
1. Sample : yellow, turbid
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
 5. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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TEST REPORT

Customer	Pinthong Industrial Park Public Company Limited**		
Address	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**		
Sampling Source	Surface Water (Pinthong Project 5)**	Sample No.	W66101799
Sample Name	ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (SW4)**	Sampling Date	20/10/2023**
Sampling By	ETC**	Sampling Time	10:20 AM**
Sampling Method	Grab**	Received Date	21/10/2023
Tested Date	21/10/2023 – 28/11/2023	Reported Date	30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.22	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0047	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.15	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ข = เป็นไปตามธรรมชาติ / ข ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited- Sampling By Mr. Songpon Phiwuan*
8. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)
30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101799
Sample Name : ห้วยมาบเอี้ยงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	48.2	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	1,100	-
Flow Rate *	m ³ /day	Calculation Method	1,734	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.19	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited. Sampling By Mr. Songpon Phiwuan*
8. ** = These data are non laboratory data



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Examined By: 
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited**	Sample No.	:	W66101799
Address	:	789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**	Sampling Date	:	20/10/2023**
Sampling Source	:	Surface Water (Pinthong Project 5)**	Sampling Time	:	10:20 AM**
Sample Name	:	ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (SW4)**	Received Date	:	21/10/2023
Sampling By	:	ETC**	Reported Date	:	30/11/2023
Sampling Method	:	Grab**			
Tested Date	:	21/10/2023 – 28/11/2023			

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.41	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	6.9	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	30	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	381	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, - Sampling By Mr. Songpon Phiwuan*
8. ** = These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101799
Sample Name : หัวขบวนเบี่ยงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:20 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	148	
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 1

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ฐ = เป็นไปตามธรรมชาติ / ฐ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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Request No. W6610513

Report No. 6611-2063

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101799
Sample Name : ห้วยมาบเรียงจุระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 20/10/2023
Sampling By : ETC Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Examined By.....

(Miss Apiradee Chuen-arom)

30/11/2023

COPY

Request No. W6610513

Report No. 6611-2063

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101799

Sample Name : ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 10:20 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1./1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2063

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101799

Sample Name : ห้วยมาบเรียงจุระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 10:20 AM

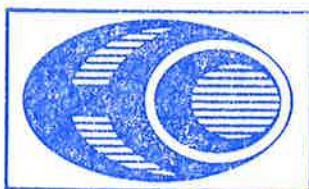
Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101800
Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	4.10	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0034	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.17	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	< 0.1	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมูนึกของน้ำจะต้องไม่สูงกว่าคุณหมูนึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101800
Sample Name : ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการ### Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pl.Co	Spectrophotometric Method (SM:2120C)	24.7	10
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	24,000	-
Flow Rate *	m ³ /day	Calculation Method	730.0	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	3.69	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance :
1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark :
1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management, / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L.]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. 10 = เป็นไปตามธรรมชาติ / 10 ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By: 

(Miss Nunnaphat Bakhuntod)

30/11/2023

REPORTED TESTS, REFER TO SUBMITTED SAMPLES ONLY

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TEST REPORT


Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101800
Sample Name : ห้วยมาบเืองหลังจตุระบายน้ำทิ้งของโครงการ### Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.41	≤ 1
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.1	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	31	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	203	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = คุณหมิของน้ำจะต้องไม่สูงกว่าคุณหมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเืองหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By: 
(Miss Nunnaphat Bakhuntod)
30/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66101800
Sample Name : ห้วยมาบเขียวหลังจตุระบายน้ำทิ้งของโครงการ### Sampling Date : 20/10/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	74	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤ 1

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณภาพของน้ำจะต้องไม่สูงกว่าคุณภาพตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan*
8. ## ห้วยมาบเขียวหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

30/11/2023

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Request No. W6610513

Report No. 6611-2064

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101800
Sample Name : ห้วยมาบเรียงหลังจตุรระบายน้ำทั้งของโครงการ## Sampling Date : 20/10/2023
Sampling By : ETC Sampling Time : 10:40 AM
Sampling Method : Grab Received Date : 21/10/2023
Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทั้งของโครงการระยะประมาณ 500 เมตร (SW 5)
5. Sampling By Mr. Songpon Phivuan



Examined By.....

(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2064

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101800

Sample Name : ห้วยมาบเอียงหลังจุกระบายน้ำทิ้งของโครงการ## Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 10:40 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11/2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงหลังจุกระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
4. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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Request No. W6610513

Report No. 6611-2064

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66101800

Sample Name : ห้วยมาบเอียงหลังจุฬระบายน้ำทิ้งของโครงการ## Sampling Date : 20/10/2023

Sampling By : ETC Sampling Time : 10:40 AM

Sampling Method : Grab Received Date : 21/10/2023

Tested Date : 21/10/2023 – 28/11 2023 Reported Date : 30/11/2023

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังจุฬระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
5. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

30/11/2023

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121360
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ### Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:50 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.28	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0072	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L.]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = คุณหมูนึกของน้ำจะต้องไม่สูงกว่าคุณหมูนึกตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. ชำแดนบาง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By: 
(Miss Nunnaphat Bakhuntod)

17/01/2024

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121360
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ### Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:50 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.99	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	230	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994). Class 4
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SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data



Examined By.....
(Miss Nunnaphat Bakhuntod)
17/01/2024

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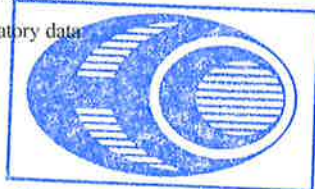
COPY

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121360
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ### Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:50 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	8	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	27	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion.Direct ICP Method: Filtration.Colorimetric Method; Calculation (SM:3500 -Cr B. 3120B)	< 0.03	-
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.05	≤ 1

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ร = เป็นไปตามธรรมชาติ / ร ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
9. ** = These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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Request No. W6612430

Report No. 6701-0300

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121360
Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น## Sampling Date : 15/12/2023
Sampling By : ETC Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹⁾
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
5. Sampling By Mr. Parkpoom Buasawad



Examined By.....

(Miss Apiradee Chuen-arom)

17/01/2024

REPORTED TEST RESULTS FOR SUBMITTED SAMPLES ONLY

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Request No. W6612430

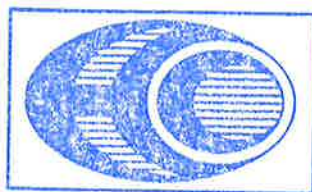
Report No. 6701-0300

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121360
Sample Name : ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 15/12/2023
Sampling By : ETC Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
4. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

17/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. W6612430

Report No. 6701-0300

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121360

Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 15/12/2023

Sampling By : ETC Sampling Time : 9:50 AM

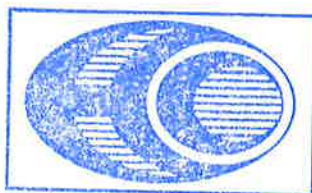
Sampling Method : Grab Received Date : 16/12/2023

Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹⁾
TAR ***	mg/L	Gas Chromatographic (FiD) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 1)
5. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

17/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

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TEST REPORT


Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121361
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น###** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:15 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0029	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.16	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ข = เป็นไปตามธรรมชาติ / ข ** = คุณหมูนี้น้ำจะต้องไม่สูงกว่าคุณหมูนี้น้ำตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง ขวัญถนนสาธารณะด้านทิศตะวันออกเชิงเหนือ (SW 2)
9. ** = These data are non laboratory data.



Examined By: 
(Miss Nunnaphat Bakhuntod)

17/01/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121361
Sample Name : หัวขบวนเอียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:15 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	24,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	12.2	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	1,100	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.63	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## หัวขบวนเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
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Examined By.....
(Miss Nunnaphat Bakhuntod)
17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121361
Sample Name : ห้วยมาบเรียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:15 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.87	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	28	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	320	-

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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17/01/2024

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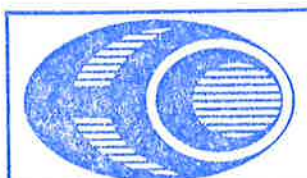
COPY

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121361
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น*** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:15 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	13	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B. 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

- Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal | PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
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9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)
17/01/2024

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Request No. W6612430

Report No. 6701-0301

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkeh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121361
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 15/12/2023
Sampling By : ETC Sampling Time : 10:15 AM
Sampling Method : Grab Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

- Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
5. Sampling By Mr. Parkpoom Buasawad



Examined By.....

(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

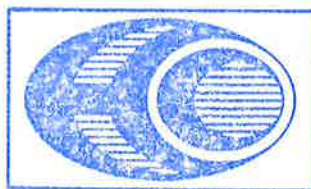
Report No. 6701-0301

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121361
Sample Name : ห้วยมาบเอียงหลังไทรผ่านฝายน้ำล้น## Sampling Date : 15/12/2023
Sampling By : ETC Sampling Time : 10:15 AM
Sampling Method : Grab Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹⁾
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. ## ห้วยมาบเอียงหลังไทรผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
4. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

17/01/2024

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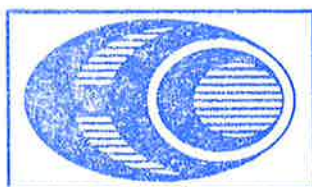
Request No. W6612430

Report No. 6701-0301

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230		
Sampling Source	:	Surface Water (Pinthong Project 5)	Sample No.	: W66121361
Sample Name	:	ห้วยมาบเอียงหลังไถ่ผ่านฝายน้ำล้น ##	Sampling Date	: 15/12/2023
Sampling By	:	ETC	Sampling Time	: 10:15 AM
Sampling Method	:	Grab	Received Date	: 16/12/2023
Tested Date	:	16/12/2023 – 16/01/2024	Reported Date	: 17/01/2024
Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

- Physical Appearance :
1. Sample : yellow, lightly SS
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark :
1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
 3. ND = Non-Detectable (TAR < 0.500 mg/L)
 4. ## ห้วยมาบเอียงหลังไถ่ผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (SW 2)
 5. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121362
Sample Name : ห้วยมาบเียงที่ระยะประมาณ 500 เมตร*** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	3.74	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0069	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited. Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121362
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	9.68	π
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	92,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	5.67	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. π = เป็นไปตามธรรมชาติ / π ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร บนถนนสายบ้านท่าช้างของ โครงการ (SW 3)
9. ** = These data are non laboratory data



Examined By.....
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17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121362
Sample Name : ห้วยมาบเอี้ยงที่ระยะประมาณ 500 เมตร*** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.76	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.5	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	27	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	240	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8, B.E. 2537 (1994), Class 4
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3. Miss Nunnaphat Bakhuntod is Technical Management, / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ๓ = เป็นไปตามธรรมชาติ / ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอี้ยงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
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(Miss Nunnaphat Bakhuntod)

17/01/2024

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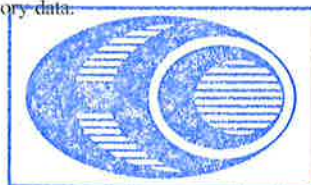
COPY

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121362
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 9:00 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	106	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion.Direct ICP Method; Filtration.Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤ 1

- Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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Request No. W6612430

Report No. 6701-0302

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121362
Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร## Sampling Date : 15/12/2023
Sampling By : ETC Sampling Time : 9:00 AM
Sampling Method : Grab Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹⁾
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
5. Sampling By Mr. Parkpoom Buasawad



Examined By.....

(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

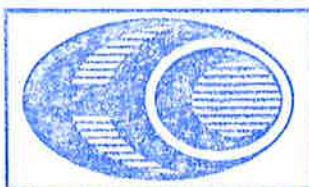
Report No. 6701-0302

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1, Nongkeh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121362
 Sample Name : ห้วยมาบเอียงที่ระยะ ประมาณ 500 เมตร ## Sampling Date : 15/12/2023
 Sampling By : ETC Sampling Time : 9:00 AM
 Sampling Method : Grab Received Date : 16/12/2023
 Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Apperance : 1. Sample : yellow, turbid
 2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
 Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
 2. *** Tested by Analytical Laboratory Service Co.,Ltd.
 3. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
 4. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

Report No. 6701-0302

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121362

Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ## Sampling Date : 15/12/2023

Sampling By : ETC Sampling Time : 9:00 AM

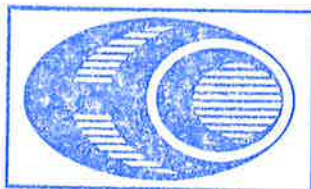
Sampling Method : Grab Received Date : 16/12/2023

Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (SW 3)
5. Sampling By Mr. Parkpoom Buasawad



Examined By

(Miss Apiradee Chuen-arom)

17/01/2024

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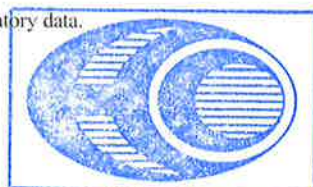
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121363
Sample Name : ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:30 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.95	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0054	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.16	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
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Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121363
Sample Name : ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:30 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	10.8	π
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	220	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	4.16	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L.]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. π = เป็นไปตามธรรมชาติ / π ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121363
Sample Name : ห้วยมาบเหียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:30 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.92	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.3	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	25	๓ **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	105	-

Physical Appearance :
1. Sample : yellow, turbid
2. Container : Normal | PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L }

Remark :
1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
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Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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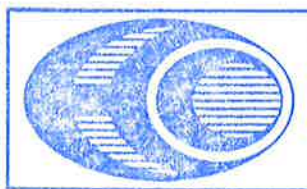
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121363
Sample Name : ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (SW4)** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:30 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	98	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method: Filtration, Colorimetric Method: Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

- Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994). Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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Request No. W6612430

Report No. 6701-0303

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230		
Sampling Source	:	Surface Water (Pinthong Project 5)	Sample No.	: W66121363
Sample Name	:	ห้วยมาบเรียงจตุรระบายน้ำทิ้งของโครงการ (SW4)	Sampling Date	: 15/12/2023
Sampling By	:	ETC	Sampling Time	: 10:30 AM
Sampling Method	:	Grab	Received Date	: 16/12/2023
Tested Date	:	16/12/2023 – 16/01/2024	Reported Date	: 17/01/2024

Parameter	Unit	Method	Result	Standard ¹⁾
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

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

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

4. Sampling By Mr. Parkpoom Buasawad



Examined By.....

(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

Report No. 6701-0303

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Surface Water (Pintaong Project 5) Sample No. : W66121363
Sample Name : ห้วยมาบเรียงจุดระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 15/12/2023
Sampling By : ETC Sampling Time : 10:30 AM
Sampling Method : Grab Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellow, turbid
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by Analytical Laboratory Service Co.,Ltd.
3. Sampling By Mr. Parkpoom Buasawad



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Examined By



(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

Report No. 6701-0303

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkham-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121363

Sample Name : ห้วยมาบเียงจุดระบายน้ำทิ้งของโครงการ (SW4) Sampling Date : 15/12/2023

Sampling By : ETC Sampling Time : 10:30 AM

Sampling Method : Grab Received Date : 16/12/2023

Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	

Physical Appearance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.

3. ND = Non-Detectable (TAR < 0.500 mg/L)

4. Sampling By Mr. Parkpoom Buasawad



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Examined By

(Miss Apiradee Chuen-arom)

17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121364
Sample Name : ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.29	-
Arsenic *	mg/L	Continuous Hydride Generation / AAS Method (SM:3114B)	0.0027	≤ 0.01
Barium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	-
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4
Cadmium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	***
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	46	-
Chlorine (Residual) *	mg/L as Cl ₂	DPD Colorimetric Method (SM:4500-Cl G)	0.1	-

Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L.]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
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4. Parameter Outside The Scope of The Registration of Department of Industrial Works
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการของประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121364
Sample Name : ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการ##** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria *	MPN : 100 mL	MPN Test Method (SM:9221B)	>160,000	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	6.54	๓
Copper @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Cyanide *	mg/L as HCN	Distillation, Colorimetric Method (SM:4500 CN-C, E)	0.001	≤ 0.005
E.coli *	MPN : 100 mL	MPN Test Method (SM:9221F)	54,000	-
Flow Rate *	m ³ /day	Calculation Method	not available	-
Formaldehyde *	mg/L	Distillation, Colorimetric Method	< 0.50	-
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500-Cr B)	< 0.050	≤ 0.05
Iron @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.15	-
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05

Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /I Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
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6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้งของโครงการจะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data



Examined By.....
(Miss Nunnaphat Bakhuntod)
17/01/2024

REPORTED BY ห้วยมาบเอียงหลังจตุรระบายน้ำทิ้ง

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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121364
Sample Name : ห้วยมาบเียงหลังจุดระบายน้ำทิ้งของโครงการ##** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Manganese @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.45	≤ 1
Mercury #	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002
Nickel @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.1
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0
Selenium *	mg/L	Digestion, Hydride Generation / AAS Method (SM:3030F, 3114B&C)	< 0.0020	-
Sulfide *	mg/L as H ₂ S	ZnS Precipitation, Iodometric Method, (SM:4500-S2-F)	< 0.50	-
Temperature *	°C	Laboratory and Field Method	25	ท **
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	165	-

Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L.]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ท = เป็นไปตามธรรมชาติ / ท ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited. Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเียงหลังจุดระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....
(Miss Nunnaphat Bakhuntod)

17/01/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited**
Address : 789 Moo 1 Nong Koh-Laem Chabang Rd., Nongkham, Sriracha Chonburi 20230**
Sampling Source : Surface Water (Pinthong Project 5)** Sample No. : W66121364
Sample Name : ห้วยมาบเอียงหลังจตุระบายน้ำทิ้งของโครงการ##** Sampling Date : 15/12/2023**
Sampling By : ETC** Sampling Time : 10:40 AM**
Sampling Method : Grab** Received Date : 16/12/2023
Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500-Norg B)	< 5	-
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	30	-
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion.Direct ICP Method; Filtration.Colorimetric Method; Calculation (SM:3500 -Cr B. 3120B)	< 0.03	-
Zinc @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 1

- Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 . B.E. 2537 (1994). Class 4
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
3. Miss Nunnaphat Bakhuntod is Technical Management. / MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/L]
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. ช = เป็นไปตามธรรมชาติ / ช** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส
6. *** Standard Cadmium = 0.005 : น้ำที่มีความกระด้างในรูปของ CaCO₃ ไม่เกินกว่า 100 มิลลิกรัมต่อลิตร
Standard Cadmium = 0.05 : น้ำที่มีความกระด้างในรูปของ CaCO₃ เกินกว่า 100 มิลลิกรัมต่อลิตร
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*
8. ## ห้วยมาบเอียงหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)
9. ** = These data are non laboratory data.



Examined By.....

(Miss Nunnaphat Bakhuntod)

17/01/2024

REPORTED BY: MISS NUNNAPHAT BAKHUNTOD
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Request No. W6612430

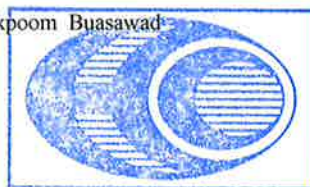
Report No. 6701-0304

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1, Nongkoh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230		
Sampling Source	:	Surface Water (Pinthong Project 5)	Sample No.	: W66121364
Sample Name	:	ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการ##	Sampling Date	: 15/12/2023
Sampling By	:	ETC	Sampling Time	: 10:40 AM
Sampling Method	:	Grab	Received Date	: 16/12/2023
Tested Date	:	16/12/2023 – 16/01/2024	Reported Date	: 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
Organochlorine Pesticides group				
alpha-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
beta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
gamma-BHC (Lindane)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
delta-BHC	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Aldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Heptachlor epoxide (isomer B)	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
trans-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan I	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
cis-Chlordane	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Dieldrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDE	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan II	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDD	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin aldehyde	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endosulfan sulfate	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
4,4'-DDT	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Endrin ketone	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None
Methoxychlor	µg/L	Liquid-Liquid Extraction / GC-MS (SM:6410B)	Not Detected	None

- Physical Appearance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]
- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. Parameter Outside The Scope of The Registration of Department of Industrial Works
3. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
4. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 5(0 เมตร (SW 5)
5. Sampling By Mr. Parkpoom Buasawat



Examined By.....

(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

Report No. 6701-0304

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkeh-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pint'ong Project 5) Sample No. : W66121364

Sample Name : ห้วยมาบเอียงหลังจุระบายน้ำทิ้งของโครงการ## Sampling Date : 15/12/2023

Sampling By : ETC Sampling Time : 10:40 AM

Sampling Method : Grab Received Date : 16/12/2023

Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
SVOCs ***				
- Phenol	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 2-Methylphenol (o-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-
- 4-Methylphenol (p-Cresol)	µg/L	EPA 3510C/EPA8270E	Not Detected	-

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4

2. *** Tested by Analytical Laboratory Service Co.,Ltd.

3. ## ห้วยมาบเอียงหลังจุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (SW 5)

4. Sampling By Mr. Parkpoom Buasawad



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Examined By

(Miss Apiradee Chuen-arom)

17/01/2024

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Request No. W6612430

Report No. 6701-0304

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1, Nongkch-Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Surface Water (Pinthong Project 5) Sample No. : W66121364

Sample Name : ห้วยมาบเอียงหลังจุฬระบายน้ำทิ้งของโครงการ## Sampling Date : 15/12/2023

Sampling By : ETC Sampling Time : 10:40 AM

Sampling Method : Grab Received Date : 16/12/2023

Tested Date : 16/12/2023 – 16/01/2024 Reported Date : 17/01/2024

Parameter	Unit	Method	Result	Standard ¹
TAR ***	mg/L	Gas Chromatographic (FID) Method (U.S.EPA 2003:8015D)	ND	-

Physical Apperance : 1. Sample : yellowish, lightly SS
2. Container : Normal [PE 0.5 L (6 Bottle), PE 1.0 L (2 Bottle) , PE 1.8 L, G 1.0 L, G 0.25 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
2. *** Tested by United Analyst and Engineering Consultant Co.,Ltd.
3. ND = Non-Detectable (TAR < 0.500 mg/L)
4. ## ห้วยมาบเอียงหลังจุฬระบายน้ำทิ้งของโครงการระยะประมาณ 5(0 เมตร (SW 5)
5. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

17/01/2024

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0164

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.01
Barium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.38	-
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	≤ 0.003
Hexavalent Chromium	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.05
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.01


Physical Appearance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /I Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0164

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.08	≤0.5
Mercury	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.001
pH (on site)		Electrometric Method	5.6	-
Selenium	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.01
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-


Physical Appearance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Report No : 6609-0164

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Trivalent Chromium	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	≤ 5


Physical Appearance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

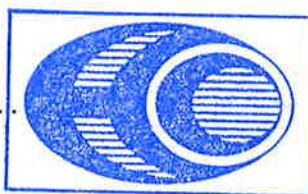
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609 - 0164

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	ND	≤0.02

Physical Apperance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Sampling By Mr. Parkpoom Buasawad

5. MDL = Method Detection Limit [MDL of Nickel = 0.02 mg/L] / ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

04/09/2023

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

Test Report

Request No : W6608494

Report No : 6609- 0164

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd ., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Aluminium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.18	-
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	28.0	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	94	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	1.14	-
Copper *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	<1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	2.0	-
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	-

Physical Apperance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

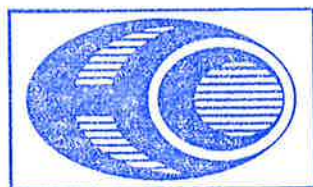
Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management. / ** = These data are non laboratory data.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*



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Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W6608494

Report No : 6609-0164

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	51.0	-
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	-
Nitrate *	mg/L as NO ₃ ⁻	Cadmium Reduction Method (SM:4500-NO ₃ -E)	18.1	-
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	17.0	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ -E)	28.0	-
Temperature *	°C	Laboratory and Field Method	29	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	3,100	-
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	188	-

Physical Apperance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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Examined By :

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W6608494

Report No : 6609- 0164

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081756

Sample Name : พื้นที่โครงการด้านทิศเหนือ (UW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Turbidity *	NTU	Nephelometric Method (SM:2130B)	83.4	-

Physical Apperance : 1. Sample : brownish, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

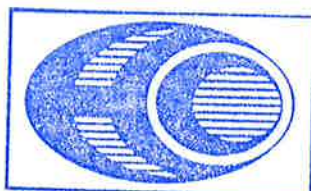
Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management. / ** = These data are non laboratory data.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*



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Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0165

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0043	≤0.01
Barium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.58	-
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	≤0.003
Hexavalent Chromium	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.05
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.010	≤0.01

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

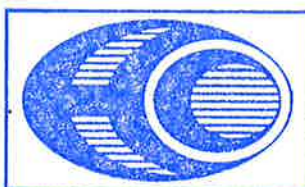
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0165

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤0.5
Mercury	mg/L	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.001
pH (on site)		Electrometric Method	5.6	-
Selenium	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.01
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Appearance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /I Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0165

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.25	≤5


Physical Appearance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

04/09/2023



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Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0165

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	ND	≤0.02

Physical Appearance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

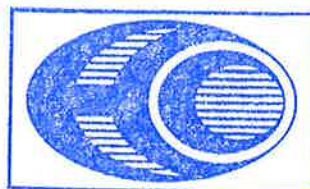
Remark : 1. /I Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Sampling By Mr. Parkpoom Buasawad

5. MDL = Method Detection Limit [MDL of Nickel = 0.02 mg/L] / ND = Not Detected



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Examined By :

(Miss Apiradee Chuen-arom)

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Test Report

Request No : W 6608494

Report No : 6609- 0165

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 10:15 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	8.47	-
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	21.5	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	2,300	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	36.5	-
Copper *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	7.8	-
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

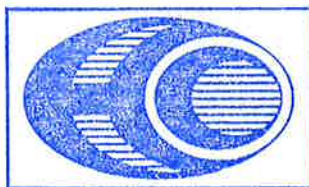
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Examined By :

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W6608494

Report No : 6609- 0165

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)** Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)** Sampling Date : 21/08/2023**

Sampling By : ETC** Sampling Time : 10:15 AM**

Sampling Method : Grab** Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023 Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	14.3	-
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	3.80	-
Nitrate *	mg/L as NO ₃ ⁻	Cadmium Reduction Method (SM:4500 -NO ₃ - E)	< 0.44	-
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	< 5.0	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ - E)	6.96	-
Temperature *	°C	Laboratory and Field Method	31	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	60,000	-
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	140	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

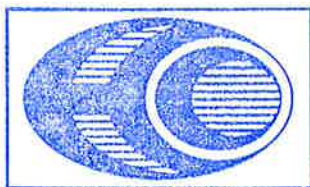
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Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608494

Report No : 6609-0165

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081757

Sample Name : พื้นที่โครงการด้านทิศตะวันออก (UW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 10:15 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Turbidity *	NTU	Nephelometric Method (SM:2130B)	3,059	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

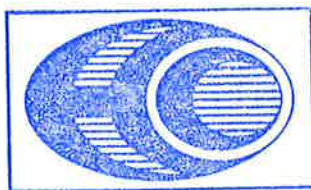
Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad*



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0166

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0032	≤0.01
Barium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.56	-
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	≤0.003
Hexavalent Chromium	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.05
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤0.01


Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /l Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By : 

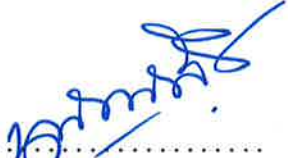
(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ค-0005)

04/09/2023

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

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0166

Address : 789 Moo 1 Nong Koh - Lacm Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.36	≤0.5
Mercury	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.001
pH (on site)		Electrometric Method	5.2	-
Selenium	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.01
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

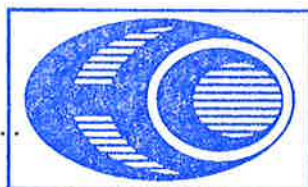
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Report No : 6609-0166

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Trivalent Chromium	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤5

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /l Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608494

Report No : 6609 - 0166

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	ND	≤0.02

Physical Appearance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

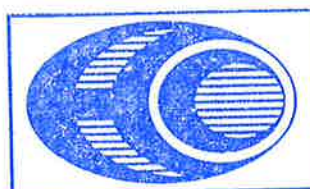
Remark : 1. /I Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Sampling By Mr. Parkpoom Buasawad

5. MDL = Method Detection Limit [MDL of Nickel = 0.02 mg/L] / ND = Not Detected

Examined By : 

(Miss Apiradee Chuen-arom)

04/09/2023

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REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W 6608494

Report No : 6609- 0166

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)** Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)** Sampling Date : 21/08/2023**

Sampling By : ETC** Sampling Time : 11:15 AM**

Sampling Method : Grab** Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023 Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.69	-
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	15.9	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	940	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	24.6	-
Copper *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	ND	-
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management. / ** = These data are non laboratory data.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad**

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

REPORTED TEST RESULTS ARE FOR INFORMATION ONLY
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Test Report

Request No : W6608494

Report No : 6609- 0166

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)** Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)** Sampling Date : 21/08/2023**

Sampling By : ETC** Sampling Time : 11:15 AM**

Sampling Method : Grab** Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023 Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	22.4	-
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.99	-
Nitrate *	mg/L as NO ₃ ⁻	Cadmium Reduction Method (SM:4500 -NO ₃ - E)	29.3	-
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	19.4	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ - E)	9.69	-
Temperature *	°C	Laboratory and Field Method	29	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	3,700	-
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	152	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

3. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater,
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5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad**

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608494

Report No : 6609- 0166

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081758

Sample Name : พื้นที่โครงการด้านทิศตะวันตก (UW3)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 11:15 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Turbidity *	NTU	Nephelometric Method (SM:2130B)	3,024	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management. / ** = These data are non laboratory data.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad**

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By :

(Miss Nunnaphat Bakhuntod)
04/09/2023

REPORTED TEST RESULTS TO SUBMITTING SAMPLES ONLY
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**Test Report**

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0167

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0178	≤0.01
Barium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.72	-
Cadmium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	≤0.003
Hexavalent Chromium	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.05
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤0.01

Physical Appearance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0167

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Manganese	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.21	≤0.5
Mercury	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.001
pH (on site)		Electrometric Method	5.6	-
Selenium	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	≤0.01
Silver	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-

Physical Appearance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

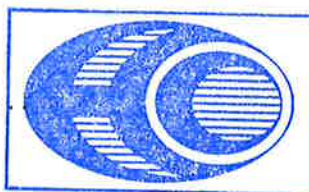
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



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Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609-0167

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Trivalent Chromium	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Zinc	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.23	≤5

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

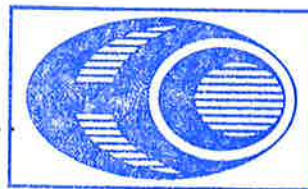
3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

04/09/2023

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Test Report

Request No : W6608494

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6609 - 0167

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Nickel	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	ND	≤0.02

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

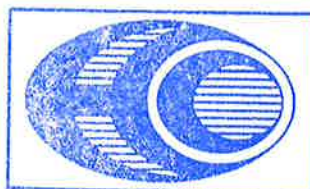
Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Sampling By Mr. Parkpoom Buasawad

5. MDL = Method Detection Limit [MDL of Nickel = 0.02 mg/L] / ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

04/09/2023

Test Report

Request No : W 6608494

Report No : 6609- 0167

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)** Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)** Sampling Date : 21/08/2023**

Sampling By : ETC** Sampling Time : 10:40 AM**

Sampling Method : Grab** Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023 Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	2.23	-
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	30.6	-
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	6.8	-
Color *	Pt.Co	Spectrophotometric Method (SM:2120C)	11.4	-
Copper *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	ND	-
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

4. Miss Nunnaphat Bakhuntod is Technical Management. / ** = These data are non laboratory data.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad**

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Examined By :

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608494

Report No : 6609- 0167

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	28.6	-
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.57	-
Nitrate *	mg/L as NO ₃ ⁻	Cadmium Reduction Method (SM:4500 -NO ₃ - E)	< 0.44	-
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	11.6	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ - E)	8.32	-
Temperature *	°C	Laboratory and Field Method	30	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	340	-
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	596	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

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

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

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5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad**

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

REPORTED BY: TEST LAB ONLY FOR SUBMITTAL SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6608494

Report No : 6609- 0167

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081759

Sample Name : พื้นที่โครงการด้านทิศใต้ (UW4)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 10:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Turbidity *	NTU	Nephelometric Method (SM:2130B)	1,599	-

Physical Apperance : 1. Sample : brown, turbid

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

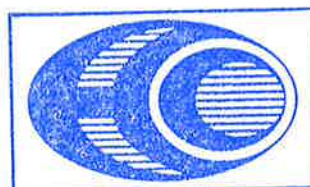
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4. Miss Nunnaphat Bakhuntod is Technical Management. / ** = These data are non laboratory data.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad**

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608493

Report No : 6609-0170

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081753

Sample Name : บำบัดน้ำทิ้งประปา (GW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	None
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.36	-
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	None
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	64.1	≤250
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	ND	Less than 2.2

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 1.0 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

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5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *

6. LOQ = Level of Quantitation [LOQ of Coliform Bacteria E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

Test Report

Request No : W6608493

Report No : 6609-0170

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081753

Sample Name : บ้านเฉลิมพระเกียรติ (GW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Color *	Pt. Co	Spectrophotometric Method (SM:2120C)	1.18	≤5
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	ND	None
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	≤0.7
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	75.5	≤300
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	-
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.5

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 1.0 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

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Examined By :

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W6608493

Report No : 6609-0170

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081753

Sample Name : บ้านเฉลิมพระเกียรติ (GW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	None
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.15	≤ 0.3
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	None
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	-
Nitrate *	mg/L as NO ₃ ⁻	Cadmium Reduction Method (SM:4500 -NO ₃ - E)	17.5	≤ 45
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	37.5	≤ 200

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 1.0 L]

Remark : 1. /I Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

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Examined By :

(Miss Nunnaphat Bakhuntod)

04/09/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608493

Report No : 6609-0170

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081753

Sample Name : บำบัดน้ำทิ้ง (GW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	6.0	7.0 - 8.5
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	None
Silver *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ E)	7.74	≤200
Temperature *	°C	Laboratory and Field Method	30	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	13	≤500
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	244	≤600

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 1.0 L]

Remark : 1. /I Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

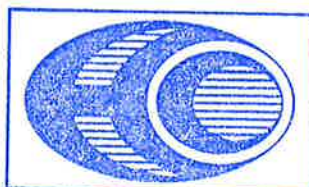
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Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608493

Report No : 6609-0170

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081753

Sample Name : บ้านเฉลิมพระเกียรติ (GW1)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 9:30 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Turbidity *	NTU	Nephelometric Method (SM:2130B)	0.68	≤ 5
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.32	≤ 5

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 1.0 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

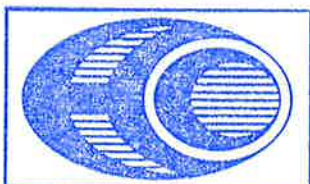
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Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W 6608493

Report No : 6609-0171

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081754

Sample Name : บำบัดน้ำเสียน้ำ (GW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 12:00 PM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	-
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	None
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	-
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	None
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	15.3	≤250
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	2.0	Less than 2.2

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

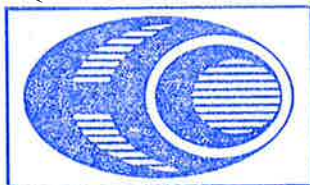
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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

REPORTED TEST RESULTS TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608493

Report No : 6609-0171

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081754

Sample Name : บำบัดน้ำเสีย (GW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 12:00 PM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Color *	Pt. Co	Spectrophotometric Method (SM:2120C)	< 1.00	≤5
Copper *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	ND	None
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	≤0.7
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	63.2	≤300
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	-
Iron *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.5

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1./1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

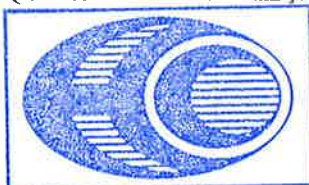
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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

REPORTED TEST RESULTS FOR SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608493

Report No : 6609-0171

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081754

Sample Name : บ้านนาบแสนสุข (GW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 12:00 PM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	None
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤ 0.3
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	None
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	-
Nitrate *	mg/L as NO ₃	Cadmium Reduction Method (SM:4500 -NO ₃ - E)	1.61	≤ 45
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	39.2	≤ 200

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1./1 Drinking Water from Deep Wells Quality Standards ,

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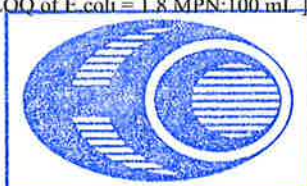
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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN/100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

Test Report

Request No : W6608493

Report No : 6609-0171

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081754

Sample Name : บำบัดน้ำเสีย (GW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 12:00 PM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	5.7	7.0 - 8.5
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	None
Silver *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ -E)	21.5	≤ 200
Temperature *	°C	Laboratory and Field Method	35	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	1,200	≤ 500
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	164	≤ 600

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

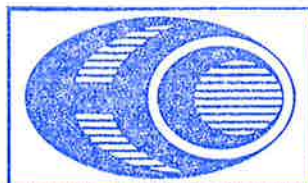
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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608493

Report No : 6609-0171

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081754

Sample Name : บ้านนาบแสนสุข (GW2)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 12:00 PM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Turbidity *	NTU	Nephelometric Method (SM:2130B)	0.84	≤5
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.55	≤5

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

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

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APHA, AWWA, WEF, 23rd Edition, 2017

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5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad *

6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608493

Report No : 6609-0172

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081755

Sample Name : บ่อน้ำหยดตามถ้ำ (GW3)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 11:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Arsenic *	mg/L	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0192	None
Barium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.19	-
Cadmium *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.003	None
Chloride *	mg/L as Cl ₂	Argentometric Method (SM:4500-Cl- B)	8.5	≤ 250
Coliform Bacteria *	MPN:100 mL	MPN Test Method (SM:9221B)	2,300	Less than 2.2

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1./1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

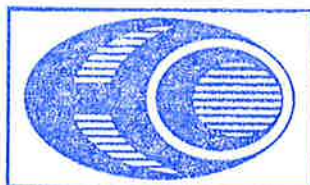
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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

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Test Report

Request No : W 6608493

Report No : 6609-0172

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081755

Sample Name : บ้านห้วยตาเกล้า (GW3)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 11:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Color *	Pt .Co	Spectrophotometric Method (SM:2120C)	22.2	≤5
Copper *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤1
E.coli *	MPN:100 mL	MPN Test Method (SM:9221F)	ND	None
Fluoride *	mg/L	Ion-Selective Electrode Method (SM:4500 -F- C)	< 0.50	≤0.7
Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (SM:2540C)	135	≤300
Hexavalent Chromium *	mg/L as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	-
Iron *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN:100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608493

Report No : 6609-0172

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081755

Sample Name : บ่อน้ำห้วยตาเกล้า (GW3)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 11:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
Lead *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	None
Manganese *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.3
Mercury *	mg/L	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	None
Nickel *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	-
Nitrate *	mg/L as NO ₃	Cadmium Reduction Method (SM:4500 -NO ₃ - E)	< 0.44	≤ 45
Non-Carbonate Hardness *	mg/L as CaCO ₃	Calculation	< 5.00	≤ 200

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

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Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

Test Report

Request No : W6608493

Report No : 6609-0172

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081755

Sample Name : บ่อน้ำห้วยตาเกล้า (GW3)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 11:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	6.9	7.0 - 8.5
Selenium *	mg/L	Digestion, Hydride Generation/AAS Method (SM:3030F, 3114B&C)	< 0.0020	None
Silver *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.05	-
Sulfate *	mg/L as SO ₄ ²⁻	Turbidimetric Method (SM:4500 -SO ₄ ²⁻ -E)	41.4	≤200
Temperature *	°C	Laboratory and Field Method	29	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	220	≤500
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	207	≤600

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /I Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

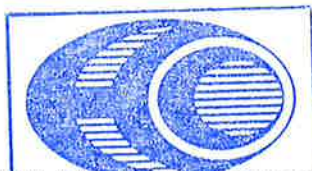
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Examined By : 

(Miss Nunnaphat Bakhuntod)
04/09/2023

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Test Report

Request No : W6608493

Report No : 6609-0172

Customer : Pinthong Industrial Park Public Company Limited**

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230**

Sampling Source : Pinthong Industrial Park (Project 5)**

Sample No : W 66081755

Sample Name : บ่อน้ำห้วยตาเกลา (GW3)**

Sampling Date : 21/08/2023**

Sampling By : ETC**

Sampling Time : 11:40 AM**

Sampling Method : Grab**

Received Date : 22/08/2023

Tested Date : 22/08/2023 - 01/09/2023

Reported Date : 04/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Trivalent Chromium *	mg/L as Cr ³⁺	Digestion, Direct ICP Method; Filtration, Colorimetric Method; Calculation (SM:3500 -Cr B, 3120B)	< 0.03	-
Turbidity *	NTU	Nephelometric Method (SM:2130B)	2.69	≤ 5
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤ 5

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /I Drinking Water from Deep Wells Quality Standards ,

Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008).

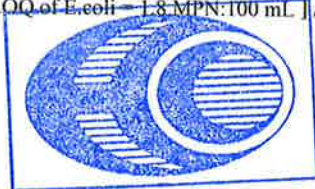
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6. LOQ = Level of Quantitation [LOQ of E.coli = 1.8 MPN/100 mL] / ND = Not Detected



Examined By : 

(Miss Nunnaphat Bakhuntod)

04/09/2023

REPORTED BY: 
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Request No. W6609594

Report No. 6610-0802

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkroh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W66092206
Sample Name	:	ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##	Sampling Date	: 25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	: 8:30 AM
Sampling Method	:	Grab	Received Date	: 26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Cyanophyta			
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	812
Division Chlorophyta			
<i>Lepocinclis</i> sp.	cell/L	Counting Chamber	57
<i>Phacus</i> sp.	cell/L	Counting Chamber	238
<i>Trachelomonas</i> sp.	cell/L	Counting Chamber	131
Division Chromophyta			
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	8
<i>Navicula</i> sp.	cell/L	Counting Chamber	16
<i>Synedra</i> sp.	cell/L	Counting Chamber	8
Total Genus			
	cell/L		7
Total Phytoplankton			
	cell/L		1,270
Diversity Index			
	cell/L		1.09

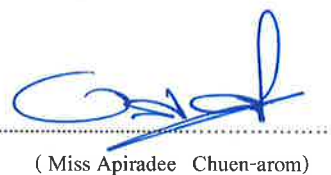
Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 1)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0802

TEST REPORT

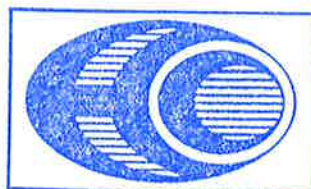
Customer	:	Pinthong Industrial Park Public Company Limited	
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230	
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No. : W66092206
Sample Name	:	ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ##	Sampling Date : 25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time : 8:30 AM
Sampling Method	:	Grab	Received Date : 26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
Zooplankton			
Phylum Protozoa			
<i>Arcella</i> sp.	ind./L	Counting Chamber	41
<i>Didinium</i> sp.	ind./L	Counting Chamber	49
<i>Paramecium</i> sp.	ind./L	Counting Chamber	459
<i>Vorticella</i> sp.	ind./L	Counting Chamber	115
Phylum Rotifera			
<i>Anuraeopsis</i> sp.	ind./L	Counting Chamber	16

Total Genus	ind./L	5
Total Zooplankton	ind./L	680
Diversity Index	ind./L	1.01

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 1)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0802

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092206
 Sample Name : ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้น ## Sampling Date : 25/09/2023
 Sampling By : Si Racha Fisheries Research Station Sampling Time : 8:30 AM
 Sampling Method : Grab Received Date : 26/09/2023
 Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
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Benthos

Phylum Arthropoda

<i>Chironomus</i> sp. (หนอนแดง)	ind./m ²	Counting Chamber	238
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Total Genus	ind./m ²	1
Total Benthos	ind./m ²	238
Diversity Index	ind./m ²	0.00

Physical Apperance : 1. Sample : sand mixed grit
 2. Container : 1 bag

Remark : 1. ## ห้วยมาบเอียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 1)
 2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0802

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited	Sample No.	:	W66092206
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230	Sampling Date	:	25/09/2023
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sampling Time	:	8:30 AM
Sample Name	:	ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้น##	Received Date	:	26/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Reported Date	:	12/10/2023
Sampling Method	:	Grab			
Tested Date	:	26/09/2023 – 10/10/2023			

Parameter #	Family	Scientific Name	ชื่อไทย	Result	Unit
Aquatic animal	Osphronemidae	<i>Trichopodus pectoralis</i>	ปลาสลิค	1	ตัว
		<i>Trichopodus trichopterus</i>	ปลากระดี่หม้อ	2	ตัว
	Cyprinidae	<i>Puntius brevis</i>	ปลาคะเพียนทราย	1	ตัว
		<i>Rasbora paviana</i>	ปลาชีวกวาชแถบดำ	1	ตัว

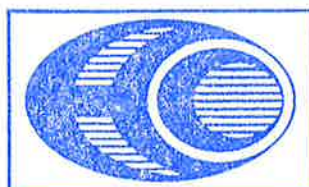
Total Genus	4
Total Aquatic animal	5
Diversity Index	1.33

Physical Apperance : 1. Sample : -

2. Container : 1 bag

Remark : 1. ## ห้วยมาบเรียงก่อนไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 1)

2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0803

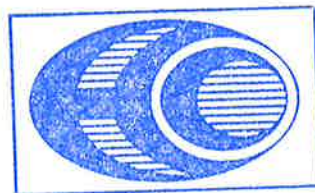
TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092207
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Cyanophyta			
<i>Merismopedia</i> sp.	cell/L	Counting Chamber	28
<i>Raphidiopsis</i> sp.	cell/L	Counting Chamber	7
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	423
Division Chlorophyta			
<i>Ankistrodesmus</i> sp.	cell/L	Counting Chamber	49
<i>Closterium</i> sp.	cell/L	Counting Chamber	7
<i>Coelastrum</i> sp.	cell/L	Counting Chamber	14
<i>Cosmarium</i> sp.	cell/L	Counting Chamber	14
<i>Crucigenia</i> sp.	cell/L	Counting Chamber	85
<i>Euglena</i> sp.	cell/L	Counting Chamber	226
<i>Lepocinclis</i> sp.	cell/L	Counting Chamber	2,876
<i>Pediastrum</i> sp.	cell/L	Counting Chamber	197
<i>Phacus</i> sp.	cell/L	Counting Chamber	931
<i>Scenedesmus</i> sp.	cell/L	Counting Chamber	458
<i>Sphaerocystis</i> sp.	cell/L	Counting Chamber	21
<i>Tetradron</i> sp.	cell/L	Counting Chamber	14
<i>Trachelomonas</i> sp.	cell/L	Counting Chamber	367
Division Chromophyta			
<i>Amphora</i> sp.	cell/L	Counting Chamber	120
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	113
<i>Gomphonema</i> sp.	cell/L	Counting Chamber	14
<i>Navicula</i> sp.	cell/L	Counting Chamber	148

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 2)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0803

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W66092207
Sample Name	:	ห้วยมาบเียงหลังไหลผ่านฝายน้ำล้น##	Sampling Date	: 25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	: 9:30 AM
Sampling Method	:	Grab	Received Date	: 26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Chromophyta			
<i>Nitzschia</i> sp.	cell/l.	Counting Chamber	21
<i>Peridinium</i> sp.	cell/l.	Counting Chamber	564
<i>Pinnularia</i> sp.	cell/L	Counting Chamber	42
<i>Surirella</i> sp.	cell/l.	Counting Chamber	49
<i>Synedra</i> sp.	cell/l.	Counting Chamber	49

Total Genus	cell/l.	25
Total Phytoplankton	cell/L	6,837
Diversity Index	cell/l.	2.10

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L (2 Bottle)]

Remark : 1. ## ห้วยมาบเียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 2)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



Examined By 
(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0803

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkham-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W66092207
Sample Name	:	ห้วยมาบเขียวหลังไหลผ่านฝายน้ำล้น##	Sampling Date	: 25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	: 9:30 AM
Sampling Method	:	Grab	Received Date	: 26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Zooplankton			
Phylum Protozoa			
<i>Arcella</i> sp.	ind./L	Counting Chamber	28
<i>Centropyxis</i> sp.	ind./L	Counting Chamber	7
<i>Colops</i> sp.	ind./L	Counting Chamber	14
<i>Euglypha</i> sp.	ind./L	Counting Chamber	21
Phylum Rotifera			
<i>Anuraeopsis</i> sp.	ind./L	Counting Chamber	28
<i>Hexarthra</i> sp.	ind./L	Counting Chamber	7
<i>Trichocerca</i> sp.	ind./L	Counting Chamber	7
Phylum Arthropoda			
Copepod nauplii	ind./L	Counting Chamber	42

Total Genus	ind./L	8
Total Zooplankton	ind./L	154
Diversity Index	ind./L	1.89

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L (2 Bottle)]

Remark : 1. ## ห้วยมาบเขียวหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 2)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

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12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0803

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092207
Sample Name : ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
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Benthos

Phylum Annelida

<i>Branchiura</i> sp. (ไส้เดือนน้ำ)	ind./m ²	Counting Chamber	15
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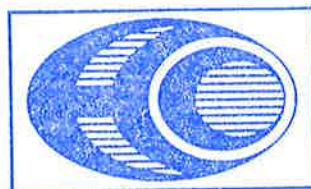
Phylum Arthropoda

<i>Chironomus</i> sp. (หนอนแดง)	ind./m ²	Counting Chamber	60
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Total Genus	ind./m ²	2
Total Benthos	ind./m ²	75
Diversity Index	ind./m ²	0.50

Physical Apperance :
1. Sample : sand mixed grit
2. Container : 1 bag

Remark :
1. ## ห้วยมาบเอียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 2)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

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Request No. W6609594

Report No. 6610-0803

TEST REPORT

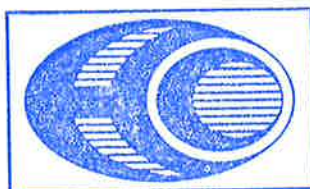
Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092207
Sample Name : ห้วยมาบเหียงหลังไหลผ่านฝายน้ำล้น## Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 9:30 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Family	Scientific Name	ชื่อไทย	Result	Unit
Aquatic animal	Cichlidae	<i>Oreochromis niloticus</i>	ปลานิล	1	ตัว
	Cyprinidae	<i>Barbonymus gonionotus</i>	ปลาดุกเพียนขาว	1	ตัว
		<i>Puntius brevis</i>	ปลาดุกเพียนทราย	6	ตัว
		<i>Rasbora paviana</i>	ปลาจิ๋วควายแถบดำ	4	ตัว

Total Genus	4
Total Aquatic animal	12
Diversity Index	1.13

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

Remark : 1. ## ห้วยมาบเหียงหลังไหลผ่านฝายน้ำล้นของ อบต. เขาคันทรง บริเวณถนนสาธารณะด้านทิศตะวันออกเฉียงเหนือ (BIO 2)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



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12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0804

TEST REPORT

Customer	Pinthong Industrial Park Public Company Limited		
Address	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	Pinthong Industrial Park (Project 5)	Sample No.	: W66092208
Sample Name	ห้วยมาบเียงที่ระยะประมาณ 500 เมตร##	Sampling Date	: 25/09/2023
Sampling By	Si Racha Fisheries Research Station	Sampling Time	: 9:00 AM
Sampling Method	Grab	Received Date	: 26/09/2023
Tested Date	: 26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Cyanophyta			
<i>Spirulina</i> sp.	cell/L	Counting Chamber	8
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	370
Division Chlorophyta			
<i>Closterium</i> sp.	cell/L	Counting Chamber	76
<i>Coelastrum</i> sp.	cell/L	Counting Chamber	17
<i>Cosmarium</i> sp.	cell/L	Counting Chamber	8
<i>Euglena</i> sp.	cell/L	Counting Chamber	588
<i>Lepocinclis</i> sp.	cell/L	Counting Chamber	5,376
<i>Pediastrum</i> sp.	cell/L	Counting Chamber	134
<i>Phacus</i> sp.	cell/L	Counting Chamber	2,016
<i>Scenedesmus</i> sp.	cell/L	Counting Chamber	168
<i>Sphaerocystis</i> sp.	cell/L	Counting Chamber	17
<i>Strombomonas</i> sp.	cell/L	Counting Chamber	235
<i>Trachelomonas</i> sp.	cell/L	Counting Chamber	143
Division Chromophyta			
<i>Amphora</i> sp.	cell/L	Counting Chamber	8
<i>Cyclotella</i> sp.	cell/L	Counting Chamber	25
<i>Eunotia</i> sp.	cell/L	Counting Chamber	42
<i>Fragilaria</i> sp.	cell/L	Counting Chamber	101

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (BIO 3)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0804

TEST REPORT

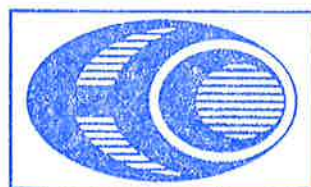
Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W66092208
Sample Name	:	ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร##	Sampling Date	: 25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	: 9:00 AM
Sampling Method	:	Grab	Received Date	: 26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Chromophyta			
<i>Gomphonema</i> sp.	cell/L	Counting Chamber	59
<i>Gyrosigma</i> sp.	cell/L	Counting Chamber	123
<i>Peridinium</i> sp.	cell/L	Counting Chamber	756
<i>Pinnularia</i> sp.	cell/L	Counting Chamber	34
<i>Stephanodiscus</i> sp.	cell/L	Counting Chamber	1,680
<i>Surirella</i> sp.	cell/L	Counting Chamber	67
<i>Synedra</i> sp.	cell/L	Counting Chamber	67

Total Genus	cell/L	24
Total Phytoplankton	cell/L	12,118
Diversity Index	cell/L	1.88

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

Remark : 1. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (BIO 3)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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Report No. 6610-0804

TEST REPORT

Customer	Pinthong Industrial Park Public Company Limited		
Address	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	Pinthong Industrial Park (Project 5)	Sample No.	: W66092208
Sample Name	ห้วยมาบเียงที่ระยะประมาณ 500 เมตร##	Sampling Date	: 25/09/2023
Sampling By	Si Racha Fisheries Research Station	Sampling Time	: 9:00 AM
Sampling Method	Grab	Received Date	: 26/09/2023
Tested Date	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Zooplankton			
Phylum Protozoa			
<i>Arcella</i> sp.	ind./L	Counting Chamber	126
<i>Centropyxis</i> sp.	ind./L	Counting Chamber	8
<i>Colops</i> sp.	ind./L	Counting Chamber	8
<i>Didinium</i> sp.	ind./L	Counting Chamber	49
<i>Diffugia</i> sp.	ind./L	Counting Chamber	17
<i>Euglypha</i> sp.	ind./L	Counting Chamber	34
Phylum Rotifera			
<i>Anuraeopsis</i> sp.	ind./L	Counting Chamber	17
<i>Cephalodella</i> sp.	ind./L	Counting Chamber	17
<i>Colurella</i> sp.	ind./L	Counting Chamber	8
<i>Lecane</i> sp.	ind./L	Counting Chamber	8
<i>Lepadella</i> sp.	ind./L	Counting Chamber	8
<i>Polyarthra</i> sp.	ind./L	Counting Chamber	8
<i>Rotaria</i> sp.	ind./L	Counting Chamber	17
<i>Trichocerca</i> sp.	ind./L	Counting Chamber	8
Phylum Arthropoda			
Copepod nauplii	ind./L	Counting Chamber	109

Total Genus	ind./L	15
Total Zooplankton	ind./L	442
Diversity Index	ind./L	2.15

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (BIO 3)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0804

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092208
Sample Name : ห้วยมาบเียงที่ระยะประมาณ 500 เมตร## Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 9:00 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
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Benthos

Phylum Arthropoda

<i>Chironomus</i> sp. (หนอนแดง)	ind./m ²	Counting Chamber	30
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Total Genus	ind./m ²	1
Total Benthos	ind./m ²	30
Diversity Index	ind./m ²	0.00

Physical Apperance : 1. Sample : sand mixed grit
2. Container : 1 bag

Remark : 1. ## ห้วยมาบเียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (BIO 3)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



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Examined By



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Report No. 6610-0804

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092208
 Sample Name : ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร## Sampling Date : 25/09/2023
 Sampling By : Si Racha Fisheries Research Station Sampling Time : 9:00 AM
 Sampling Method : Grab Received Date : 26/09/2023
 Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Family	Scientific Name	ชื่อไทย	Result	Unit
Aquatic animal	Cichlidae	<i>Oreochromis niloticus</i>	ปลานิล	1	ตัว
	Cyprinidae	<i>Puntius brevis</i>	ปลาคะเพียนทราย	5	ตัว
		<i>Rasbora paviana</i>	ปลาชีวกวายนแถบดำ	4	ตัว
	Bagridae	<i>Mystus mysticetus</i>	ปลาแขยงข้างลาย	1	ตัว

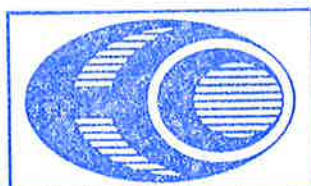
Total Genus	4
Total Aquatic animal	11
Diversity Index	1.16

Physical Apperance : 1. Sample : -

2. Container : 1 bag

Remark : 1. ## ห้วยมาบเอียงที่ระยะประมาณ 500 เมตร ก่อนจุดระบายน้ำทิ้งของโครงการ (BIO 3)

2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0805

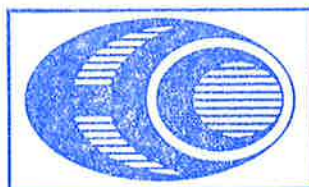
TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited		
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	: W66092209
Sample Name	:	ห้วยมาบเอียงจุดระบายน้ำทิ้งของโครงการ (BIO 4)	Sampling Date	: 25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	: 10:00 AM
Sampling Method	:	Grab	Received Date	: 26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023


Parameter #	Unit	Method	Result
Phytoplankton			
Division Cyanophyta			
<i>Microcystis</i> sp.	cell/L	Counting Chamber	8
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	398
Division Chlorophyta			
<i>Closterium</i> sp.	cell/L	Counting Chamber	40
<i>Cosmarium</i> sp.	cell/L	Counting Chamber	24
<i>Dictyosphaerium</i> sp.	cell/L	Counting Chamber	16
<i>Eudorina</i> sp.	cell/L	Counting Chamber	191
<i>Euglena</i> sp.	cell/L	Counting Chamber	1,908
<i>Kirchneriella</i> sp.	cell/L	Counting Chamber	16
<i>Lepocinclis</i> sp.	cell/L	Counting Chamber	12,720
<i>Pandorina</i> sp.	cell/L	Counting Chamber	56
<i>Pediastrum</i> sp.	cell/L	Counting Chamber	103
<i>Phacus</i> sp.	cell/L	Counting Chamber	2,306
<i>Scenedesmus</i> sp.	cell/L	Counting Chamber	1,749
<i>Strombomonas</i> sp.	cell/L	Counting Chamber	127
<i>Trachelomonas</i> sp.	cell/L	Counting Chamber	3,657
Division Chromophyta			
<i>Amphora</i> sp.	cell/L	Counting Chamber	56
<i>Ceratium</i> sp.	cell/L	Counting Chamber	8
<i>Cymbella</i> sp.	cell/L	Counting Chamber	48
<i>Eunotia</i> sp.	cell/L	Counting Chamber	223

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 
(Miss Apiradee Chuen-arom)
12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0805

TEST REPORT

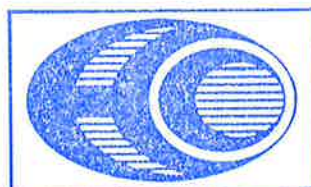
Customer	Pinthong Industrial Park Public Company Limited	Sample No.	W66092209
Address	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230	Sampling Date	25/09/2023
Sampling Source	Pinthong Industrial Park (Project 5)	Sampling Time	10:00 AM
Sample Name	ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (BIO 4)	Received Date	26/09/2023
Sampling By	Si Racha Fisheries Research Station	Reported Date	12/10/2023
Sampling Method	Grab		
Tested Date	26/09/2023 – 10/10/2023		

Parameter #	Unit	Method	Result
Phytoplankton			
Division Chromophyta			
<i>Gomphonema</i> sp.	cell/L	Counting Chamber	40
<i>Gyrosigma</i> sp.	cell/L	Counting Chamber	175
<i>Mallomonas</i> sp.	cell/L	Counting Chamber	80
<i>Navicula</i> sp.	cell/L	Counting Chamber	32
<i>Nitzschia</i> sp.	cell/L	Counting Chamber	223
<i>Peridinium</i> sp.	cell/L	Counting Chamber	366
<i>Pinnularia</i> sp.	cell/L	Counting Chamber	95
<i>Surirella</i> sp.	cell/L	Counting Chamber	477
<i>Synedra</i> sp.	cell/L	Counting Chamber	119

Total Genus	cell/L	28
Total Phytoplankton	cell/L	25,261
Diversity Index	cell/L	1.78

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By 
(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0805

TEST REPORT

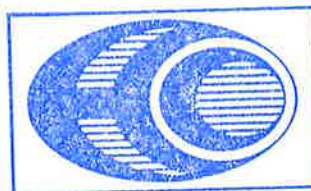
Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092209
Sample Name : ห้วยมาบเรียงจุลระบายนน้ำทิ้งของโครงการ (BIO 4) Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 -- 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
Zooplankton			
Phylum Protozoa			
<i>Arcella</i> sp.	ind./L	Counting Chamber	16
<i>Euglypha</i> sp.	ind./L	Counting Chamber	24
Phylum Rotifera			
<i>Anuraeopsis</i> sp.	ind./L	Counting Chamber	16
<i>Trichocerca</i> sp.	ind./L	Counting Chamber	8
Phylum Arthropoda			
Copepod nauplii	ind./L	Counting Chamber	8

Total Genus	ind./L	5
Total Zooplankton	ind./L	72
Diversity Index	ind./L	1.52

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. # Sampling and Tested by Faculty of Fisheries, Kasetsart University


 Examined By
(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0805

TEST REPORT

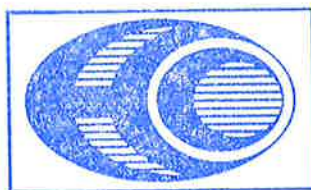
Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092209
 Sample Name : ห้วยมาบเรียงจตุรระบายน้ำทิ้งของโครงการ (BIO 4) Sampling Date : 25/09/2023
 Sampling By : Si Racha Fisheries Research Station Sampling Time : 10:00 AM
 Sampling Method : Grab Received Date : 26/09/2023
 Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
Benthos			
Phylum Arthropoda			
Chironomus sp. (หนอนแดง)	ind./m ²	Counting Chamber	45

Total Genus	ind./m ²	1
Total Benthos	ind./m ²	45
Diversity Index	ind./m ²	0.00

Physical Apperance : 1. Sample : sand mixed grit
 2. Container : 1 bag

Remark : 1. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0805

TEST REPORT

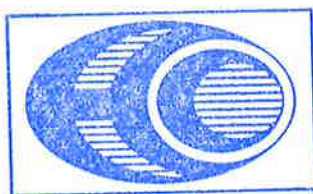
Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092209
Sample Name : ห้วยมาบเียงจตุรระบายน้ำทิ้งของโครงการ (BIO 4) Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Family	Scientific Name	ชื่อไทย	Result	Unit
Aquatic animal	Cyprinidae	<i>Puntius brevis</i>	ปลาตะเพียนทราย	1	ตัว
		<i>Rasbora paviana</i>	ปลาขี้พลายแถบดำ	5	ตัว

Total Genus	2
Total Aquatic animal	6
Diversity Index	0.45

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

Remark : 1. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0806

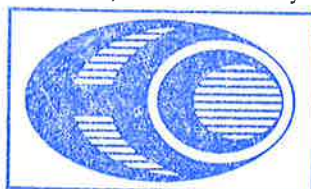
TEST REPORT

Customer	Pinthong Industrial Park Public Company Limited		
Address	789 Moo 1 ,Nongkham-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230		
Sampling Source	Pinthong Industrial Park (Project 5)	Sample No.	: W66092210
Sample Name	ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการ##	Sampling Date	: 25/09/2023
Sampling By	Si Racha Fisheries Research Station	Sampling Time	: 10:20 AM
Sampling Method	Grab	Received Date	: 26/09/2023
Tested Date	26/09/2023 – 10/10/2023	Reported Date	: 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Cyanophyta			
<i>Calothrix</i> sp.	cell/L	Counting Chamber	69
<i>Microcystis</i> sp.	cell/L	Counting Chamber	23
<i>Oscillatoria</i> sp.	cell/L	Counting Chamber	200
Division Chlorophyta			
<i>Closterium</i> sp.	cell/L	Counting Chamber	31
<i>Cosmarium</i> sp.	cell/L	Counting Chamber	8
<i>Euglena</i> sp.	cell/L	Counting Chamber	539
<i>Lepocinlis</i> sp.	cell/L	Counting Chamber	3,619
<i>Pandorina</i> sp.	cell/L	Counting Chamber	62
<i>Pediastrum</i> sp.	cell/L	Counting Chamber	62
<i>Phacus</i> sp.	cell/L	Counting Chamber	770
<i>Scenedesmus</i> sp.	cell/L	Counting Chamber	616
<i>Staurastrum</i> sp.	cell/L	Counting Chamber	501
<i>Strombomonas</i> sp.	cell/L	Counting Chamber	39
<i>Trachelomonas</i> sp.	cell/L	Counting Chamber	847
Division Chromophyta			
<i>Aulacoseira</i> sp.	cell/L	Counting Chamber	8
<i>Ceratium</i> sp.	cell/L	Counting Chamber	31
<i>Epithemia</i> sp.	cell/L	Counting Chamber	31
<i>Eunotia</i> sp.	cell/L	Counting Chamber	39
<i>Gomphonema</i> sp.	cell/L	Counting Chamber	31
<i>Gyrosigma</i> sp.	cell/L	Counting Chamber	39

Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (BIO 5)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0806

TEST REPORT

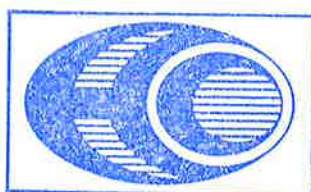
Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092210
Sample Name : ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
Phytoplankton			
Division Chromophyta			
<i>Mallomonas</i> sp.	cell/L	Counting Chamber	8
<i>Navicula</i> sp.	cell/L	Counting Chamber	23
<i>Peridinium</i> sp.	cell/L	Counting Chamber	784
<i>Pinnularia</i> sp.	cell/L	Counting Chamber	23
<i>Stephanodiscus</i> sp.	cell/L	Counting Chamber	77
<i>Surirella</i> sp.	cell/L	Counting Chamber	39
<i>Synedra</i> sp.	cell/L	Counting Chamber	54

Total Genus	cell/L	27
Total Phytoplankton	cell/L	8,573
Diversity Index	cell/L	2.08

Physical Apperance : 1. Sample :
2. Container : Normal [PE 0.5 L(2 Bottle)]

Remark : 1. ## ห้วยมาบเรียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (BIO 5)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0806

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited			
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230			
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	:	W66092210
Sample Name	:	ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการ##	Sampling Date	:	25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	:	10:20 AM
Sampling Method	:	Grab	Received Date	:	26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	:	12/10/2023

Parameter #	Unit	Method	Result
Zooplankton			
Phylum Protozoa			
<i>Amoeba</i> sp.	ind./L	Counting Chamber	108
<i>Arcella</i> sp.	ind./L	Counting Chamber	331
<i>Diffugia</i> sp.	ind./L	Counting Chamber	8
<i>Euglypha</i> sp.	ind./L	Counting Chamber	100
<i>Paramecium</i> sp.	ind./L	Counting Chamber	8
<i>Pyxicola</i> sp.	ind./L	Counting Chamber	15
Phylum Rotifera			
<i>Anuraeopsis</i> sp.	ind./L	Counting Chamber	8
<i>Asplanchna</i> sp.	ind./L	Counting Chamber	8
<i>Cephalodella</i> sp.	ind./L	Counting Chamber	8
<i>Monommata</i> sp.	ind./L	Counting Chamber	8
<i>Polyarthra</i> sp.	ind./L	Counting Chamber	8
Phylum Arthropoda			
Copepod nauplii	ind./L	Counting Chamber	8
Cyclopoid copepod	ind./L	Counting Chamber	8

Total Genus	ind./L	13
Total Zooplankton	ind./L	626
Diversity Index	ind./L	1.52


Physical Apperance : 1. Sample : -
2. Container : Normal [PE 0.5 L (2 Bottle)]

Remark : 1. ## ห้วยมาบเียงหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (BIO 5)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By



(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0806

TEST REPORT

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 ,Nongkham-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No. : W66092210
Sample Name : ห้วยมาบเขียวหลังจตุรระบายน้ำทิ้งของโครงการ## Sampling Date : 25/09/2023
Sampling By : Si Racha Fisheries Research Station Sampling Time : 10:20 AM
Sampling Method : Grab Received Date : 26/09/2023
Tested Date : 26/09/2023 – 10/10/2023 Reported Date : 12/10/2023

Parameter #	Unit	Method	Result
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Benthos

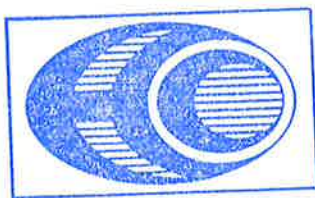
Phylum Arthropoda

Chironomus sp. (หนอนแดง)	ind./m ²	Counting Chamber	30
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Total Genus	ind./m ²	1
Total Benthos	ind./m ²	30
Diversity Index	ind./m ²	0.00

Physical Appearance :
1. Sample : sand mixed grit
2. Container : 1 bag

Remark :
1. ## ห้วยมาบเขียวหลังจตุรระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (BIO 5)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



Examined By

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Request No. W6609594

Report No. 6610-0806

TEST REPORT

Customer	:	Pinthong Industrial Park Public Company Limited			
Address	:	789 Moo 1 ,Nongkoh-Laem Chabang Rd.,Nongkham , Sriracha , Chonburi 20230			
Sampling Source	:	Pinthong Industrial Park (Project 5)	Sample No.	:	W66092210
Sample Name	:	ห้วยมาบเรียงหลังจตุระบายน้ำทิ้งของโครงการ##	Sampling Date	:	25/09/2023
Sampling By	:	Si Racha Fisheries Research Station	Sampling Time	:	10:20 AM
Sampling Method	:	Grab	Received Date	:	26/09/2023
Tested Date	:	26/09/2023 – 10/10/2023	Reported Date	:	12/10/2023

Parameter #	Family	Scientific Name	ชื่อไทย	Result	Unit
Aquatic animal	Cichlidae	<i>Oreochromis niloticus</i>	ปลานิล	1	ตัว
	Cyprinidae	<i>Puntius brevis</i>	ปลาดุกเพี้ยนทราย	6	ตัว
		<i>Rasbora paviana</i>	ปลาชิวควายแถบดำ	2	ตัว

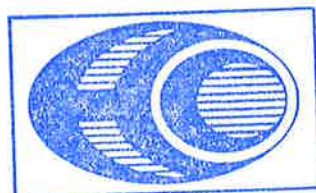
Total Genus	3
Total Aquatic animal	9
Diversity Index	0.85

Physical Apperance :

1. Sample : -
2. Container : 1 bag

Remark :

1. ## ห้วยมาบเรียงหลังจตุระบายน้ำทิ้งของโครงการระยะประมาณ 500 เมตร (BIO 5)
2. # Sampling and Tested by Faculty of Fisheries, Kasetsart University



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

12 / 10 / 2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2465

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081760

Sample Name : พื้นที่สีเขียวด้านทิศเหนือ (S1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	18.2	≤25
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	85.4	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	1.20	≤762
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	≤212
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	42.3	≤800
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	485	≤19640
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤263

Physical Appearance : 1. Sample : orange, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

02/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2465

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081760

Sample Name : พื้นที่สีเขียวด้านทิศเหนือ (S1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	2.99	<5205
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	<4380
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	28.4	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	5.64	-

Physical Apperance : 1. Sample : orange, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

02/09/2023

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

Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608- 2465

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd ., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081760

Sample Name : พื้นที่สีเขียวด้านทิศเหนือ (S1)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 9:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard/1
Aluminium (Al)	mg/kg	Digestion,Inductively Coupled Plasma	87.8	-
Copper (Cu)	mg/kg	Digestion,Inductively Coupled Plasma	1.42	≤35040
Iron (Fe)	mg/kg	Digestion,Inductively Coupled Plasma	27,379	-

Physical Apperance : 1. Sample : orange, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2466

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081761

Sample Name : พื้นที่สีเขียวด้านทิศตะวันออก (S2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 25
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	26.7	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	0.18	≤ 762
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	≤ 212
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	13.3	≤ 800
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	134	≤ 19640
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤ 263

Physical Apperance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other,

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

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2466

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081761

Sample Name : พื้นที่สีเขียวด้านทิศตะวันออก (S2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard/1
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≤ 5205
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 4380
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	2.63	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	1.67	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.


2. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)

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

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)
(ว-003-ก-0005)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2466

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081761

Sample Name : พื้นที่สีเขียวด้านทิศตะวันออก (S2)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	26.9	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	1.55	≤35040
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	4,330	-

Physical Apperance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /I Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2467

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081762

Sample Name : พื้นที่สีเขียวด้านทิศตะวันตก (S3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 25
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	53.7	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤ 762
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	≤ 212
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	9.69	≤ 800
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	400	≤ 19640
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤ 263

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2467

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081762

Sample Name : พื้นที่สีเขียวด้านทิศตะวันตก (S3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard/I
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≤ 5205
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 4380
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	< 2.00	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	1.22	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /I Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

2. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)

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

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)
(ว-003-ก-0005)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2467

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081762

Sample Name : พื้นที่สีเขียวด้านทิศตะวันตก (S3)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 11:15 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	54.2	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≤ 35040
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	1,956	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),


Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2468

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081763

Sample Name : พื้นที่สีเขียวด้านทิศใต้ (S4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	<25
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	6.20	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤762
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	≤212
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	6.52	≤800
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	154	≤19640
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤263

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /I Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2468

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081763

Sample Name : พื้นที่สีเขียวด้านทิศใต้ (S4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard/ ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≤ 5205
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 4380
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	< 2.00	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	1.31	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /I Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

02/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

02/09/2023

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Test Report

Request No : W6608495

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6608-2468

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66081763

Sample Name : พื้นที่สีเขียวด้านทิศใต้ (S4)

Sampling Date : 21/08/2023

Sampling By : ETC

Sampling Time : 10:40 AM

Sampling Method : Grab

Received Date : 22/08/2023

Tested Date : 26/08/2023 - 29/08/2023

Reported Date : 02/09/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	6.28	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	≤35040
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	1,632	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 Notification of the National Environment Board B.E.2564 (2021),

Soil Quality Standard that use for Commercial, for Agriculture and Other.

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

3. Sampling By Mr. Parkpoom Buasawad



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/09/2023

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Test Report

Request No : W6606613

Report No : 6607-0750

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66062275

Sample Name : ก่อนไหลผ่านฝายน้ำขึ้นของ อบต.เจาศันทรัง (S1)

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 29/06/2023 - 11/07/2023

Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 10
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	19.6	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤ 1
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	-
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	3.06	≤ 36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	39.2	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤ 0.2

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-4377)

12/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-4367)

12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0750

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062275
Sample Name : ก่อนไหลผ่านฝายน้ำล้นของ อบต.เขาคันทรง (S1) Sampling Date : 23/06/2023
Sampling By : ETC Sampling Time : 10:00 AM
Sampling Method : Grab Received Date : 24/06/2023
Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	1.51	≤23
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	3.32	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	5.29	≤120

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pompinan Viriyakusolkul (7-003-จ-8334)

Examined By :

(Miss Apiradee Chuen-arom)
(7-003-ค-4377)
12/07/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(7-003-ค-4367)
12/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6606613

Report No : 6607-0750

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66062275

Sample Name : ก่อนไหลผ่านฝายน้ำล้นของ ออต.เขาคันทรง (S1)

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 29/06/2023 - 11/07/2023

Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	19.2	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	1.68	≤31.5
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	3,048	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

3. Sampling By Miss Pompinan Viriyakusolkul (ว-003-ท-8334)



Examined By :

(Miss Apiradee Chuen-arom)

12/07/2023

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ISO/IEC 17025

Test Report

Request No : W6606613

Report No : 6607-0751

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062276
Sample Name : หลังโหลผ่านฝายน้ำล้นของ อบต.เขาคันทรง (S2) Sampling Date : 23/06/2023
Sampling By : ETC Sampling Time : 10:15 AM
Sampling Method : Grab Received Date : 24/06/2023
Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	17.0	≤10
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	138	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	1.39	≤1
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	<2.00	-
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	7.43	≤36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	3,330	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	<0.20	≤0.2

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pompinan Viriyakusolkul (1-003-จ-8334)

Examined By : 

(Miss Apiradee Chuen-arom)

(1-003-ค-4377)

12/07/2023

Approved By : 

(Miss Nunnaphat Bakhuntod)

(1-003-ค-4367)

12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0751

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062276
Sample Name : หลังไหลผ่านสายน้ำสั้นของ อบต.เขาคันทรง (S2) Sampling Date : 23/06/2023
Sampling By : ETC Sampling Time : 10:15 AM
Sampling Method : Grab Received Date : 24/06/2023
Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	16.9	<23
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	380	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	62.9	<120

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pornpina Viriyakusolkul (7-003-จ-8334)

Examined By : (Miss Apiradee Chuen-arom)
(7-003-ค-4377)
12/07/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)
(7-003-ค-4367)
12/07/2023

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ISO/IEC 17025

Test Report

Request No : W6606613

Report No : 6607-0751

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062276
Sample Name : หลักรองผ่านฝายน้ำล้นของ อบต.เขาคันทรง (S2) Sampling Date : 23/06/2023
Sampling By : ETC Sampling Time : 10:15 AM
Sampling Method : Grab Received Date : 24/06/2023
Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	138	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	57.0	≤31.5
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	33,472	-

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0752

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062277
Sample Name : ก่อนจุดระบายน้ำทิ้งของโครงการ (S3)## Sampling Date : 23/06/2023
Sampling By : ETC Sampling Time : 9:05 AM
Sampling Method : Grab Received Date : 24/06/2023
Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	6.22	≤10
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	59.7	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	0.63	≤1
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	-
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	9.28	≤36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	802	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤0.2

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pompinan Viriyakusolkul (1-003-จ-8334)

3. ## ก่อนจุดระบายน้ำทิ้งของโครงการประมาณ 500 เมตร (S3)

Examined By :

(Miss Apiradee Chuen-arom)
(1-003-ก-4377)
12/07/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(1-003-ก-4367)
12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0752

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062277
 Sample Name : ก่อนจู่ระบายน้ำทิ้งของโครงการ (S3)## Sampling Date : 23/06/2023
 Sampling By : ETC Sampling Time : 9:05 AM
 Sampling Method : Grab Received Date : 24/06/2023
 Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	2.75	<23
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	77.8	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	74.2	≤120

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pompinan Viriyakusolkul (ว-003-ท-8334)

3. ## ก่อนจู่ระบายน้ำทิ้งของโครงการประมาณ 500 เมตร (S3)

Examined By :

 (Miss Apiradee Chuen-arom)
 (ว-003-ท-4377)
 12/07/2023


บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

 (Miss Nunnaphat Bakhuntod)
 (ว-003-ท-4367)
 12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0752

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66062277

Sample Name : ก่อนจุติระบายน้ำทิ้งของโครงการ (S3)##

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 9:05 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 29/06/2023 - 11/07/2023

Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	60.3	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	4.02	<31.5
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	12,294	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1./1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

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

4. ## ก่อนจุติระบายน้ำทิ้งของโครงการประมาณ 500 เมตร (S3)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

12/07/2023

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Page 1 of 1

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Test Report

Request No : W6606613

Report No : 6607-0753

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062278
 Sample Name : บริเวณจุดระบายน้ำทิ้งของโครงการ (S4) Sampling Date : 23/06/2023
 Sampling By : ETC Sampling Time : 10:35 AM
 Sampling Method : Grab Received Date : 24/06/2023
 Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023


Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 10
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	11.3	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤ 1
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	-
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	2.39	≤ 36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	171	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤ 0.2

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. / 1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pornpinan Viriyakusolkul (1-003-0-8334)

Examined By : 

(Miss Apiradee Chuen-arom)

(1-003-0-4377)

12/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(1-003-0-4367)

12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0753

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062278
Sample Name : บริเวณจุดระบายน้ำทิ้งของโครงการ (S4) Sampling Date : 23/06/2023
Sampling By : ETC Sampling Time : 10:35 AM
Sampling Method : Grab Received Date : 24/06/2023
Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	< 23
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	< 2.00	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	2.54	≤ 120

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pornpinan Viriyakusolkul (7-003-0-8334)

Examined By :

(Miss Apiradee Chuen-arom)
(7-003-0-4377)
12/07/2023



บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(7-003-0-4367)
12/07/2023

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ISO/IEC 17025

Test Report

Request No : W6606613

Report No : 6607-0753

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66062278

Sample Name : บริเวณจุดระบายน้ำทิ้งของโครงการ (S4)

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 10:35 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 29/06/2023 - 11/07/2023

Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	11.1	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	< 31.5
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	2,704	-

Physical Appearance : 1. Sample : brown, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0754

Customer : Pinthong Industrial Park Public Company Limited
Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
Sampling Source : Pinthong Industrial Park (Project 5)
Sample Name : หลังจตุระบายน้ำทิ้งของโครงการ (S5)##
Sampling By : ETC
Sampling Method : Grab
Tested Date : 29/06/2023 - 11/07/2023
Sample No : W 66062279
Sampling Date : 23/06/2023
Sampling Time : 10:55 AM
Received Date : 24/06/2023
Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≤ 10
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	14.7	-
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	< 0.15	≤ 1
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	-
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	4.69	≤ 36
Manganese (Mn)	mg/kg	Digestion, Inductively Coupled Plasma	63.2	-
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≤ 0.2

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1. / 1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

2. Sampling By Miss Pompinan Viriyakusolkul (1-003-จ-8334)

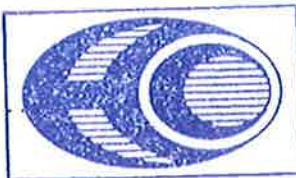
3. ## หลังจตุระบายน้ำทิ้งของโครงการประมาณ 500 เมตร (S5)

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ค-4377)

12/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(1-003-ค-4367)

12/07/2023

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Test Report

Request No : W6606613

Report No : 6607-0754

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66062279

Sample Name : แหล่งกระจายน้ำทิ้งของโครงการ (S5)##

Sampling Date : 23/06/2023

Sampling By : ETC

Sampling Time : 10:55 AM

Sampling Method : Grab

Received Date : 24/06/2023

Tested Date : 29/06/2023 - 11/07/2023

Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹⁾
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	< 1.00	<23
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	-
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	-
Trivalent Chromium (Cr ³⁺)	mg/kg	Digestion, Inductively Coupled Plasma Method; Filtration, Colorimetric Method; Calculation	< 2.00	-
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	4.89	<120

Physical Appearance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

3. ## แหล่งกระจายน้ำทิ้งของโครงการประมาณ 500 เมตร (S5)

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ก-4377)

12/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)
(ว-003-ค-4367)

12/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6606613

Report No : 6607-0754

Customer : Pinthong Industrial Park Public Company Limited
 Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230
 Sampling Source : Pinthong Industrial Park (Project 5) Sample No : W 66062279
 Sample Name : หลังจตุระบายน้ำทิ้งของโครงการ (S5)## Sampling Date : 23/06/2023
 Sampling By : ETC Sampling Time : 10:55 AM
 Sampling Method : Grab Received Date : 24/06/2023
 Tested Date : 29/06/2023 - 11/07/2023 Reported Date : 12/07/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion, Inductively Coupled Plasma	14.5	-
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	1.14	≤31.5
Iron (Fe)	mg/kg	Digestion, Inductively Coupled Plasma	2,098	-

Physical Apperance : 1. Sample : gray, soil

2. Container : Bag

Remark : 1. /1 ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ เรื่อง กำหนดมาตรฐานคุณภาพตะกอนดินในแหล่งน้ำผิวดิน พ.ศ. 2565

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

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

4. ## หลังจตุระบายน้ำทิ้งของโครงการประมาณ 500 เมตร (S5)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

12/07/2023

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Test Report

Request No : W6612283

Report No : 6701-0022

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koli - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120989

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 13/12/2023 - 22/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard ¹
Arsenic (As)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≥ 500
Barium (Ba)	mg/kg	Digestion, Inductively Coupled Plasma	15.4	≥ 10000
Cadmium (Cd)	mg/kg	Digestion, Inductively Coupled Plasma	0.68	≥ 100
Hexavalent Chromium	mg/kg	Alkaline Digestion, Colorimetric Method	< 2.00	≥ 500
Copper (Cu)	mg/kg	Digestion, Inductively Coupled Plasma	143	≥ 2500
Lead (Pb)	mg/kg	Digestion, Inductively Coupled Plasma	16.4	≥ 1000
Mercury (Hg)	mg/kg	Digestion, Cold-Vapor Atomic Absorption Spectrometric	< 0.20	≥ 20

Physical Appearance : 1. Sample : brown, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005), regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(TTLC : Total Threshold Limit Concentration)

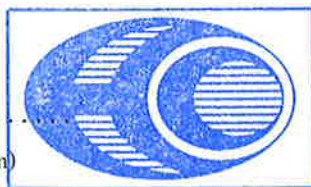
2. Sampling By Mr. Supharerk Phatklang (ว-003-ก-0031)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

04/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

04/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6612283

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6701-0022

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120989

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 13/12/2023 - 22/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard ¹
Nickel (Ni)	mg/kg	Digestion, Inductively Coupled Plasma	9.86	≥2000
Selenium (Se)	mg/kg	Digestion, Inductively Coupled Plasma	< 5.00	≥100
Silver (Ag)	mg/kg	Digestion, Inductively Coupled Plasma	< 2.50	≥500
Zinc (Zn)	mg/kg	Digestion, Inductively Coupled Plasma	650	≥5000


Physical Appearance : 1. Sample : brown, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005), regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(TTLIC : Total Threshold Limit Concentration)

2. Sampling By Mr. Supharerk Phatklang (จ-003-ก-0031)

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ก-0007)

04/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(จ-003-ก-0005)

04/01/2024

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Test Report

Request No : W6612283

Report No : 6701- 0022

Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120989

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 13/12/2023 - 22/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard ¹
Aluminium (Al)	mg/kg	Digestion,Inductively Coupled Plasma	8,189	-
Iron (Fe)	mg/kg	Digestion,Inductively Coupled Plasma	1,986	-
Manganese (Mn)	mg/kg	Digestion,Inductively Coupled Plasma	130	-
Trivalent Chromium(Cr ³⁺)	mg/kg	Digestion,Inductively Coupled Plasma Method;Filtration,Colorimetric Method;Calculation	2.30	≥2500

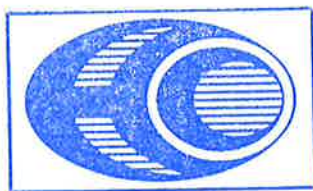
Physical Apperance : 1. Sample : brown, sludge

2. Container : Bag


Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005) , regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)
(TTLC : Total Threshold Limit Concentration)

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

3. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด



Examined By :

(Miss Apiradee Chuen-arom)

04/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6612283

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6701-0023

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120990

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 18/12/2023 - 26/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard ¹
Arsenic	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.10	≥5
Barium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.87	≥100
Cadmium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.04	≥1
Copper	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	8.26	≥25
Hexavalent Chromium	mg/L as Cr ⁶⁺	Waste Extraction,Colorimetric Method	< 0.050	≥5


Physical Apperance : 1. Sample : brown, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005) , regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(STLC : Soluble Threshold Limit Concentration)

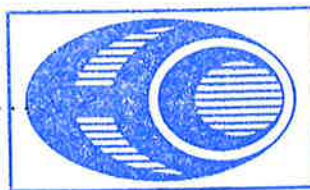
2. Sampling By Mr. Supharerk Phatklang (ว-003-ก-0031)

Examined By : 

(Miss Apiradee Chuen-arom)

(ว-003-ก-0007)

04/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)

(ว-003-ก-0005)

04/01/2024

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Test Report

Request No : W6612283

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6701-0023

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120990

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 18/12/2023 - 26/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard ¹
Lead	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.62	≥5
Mercury	mg/L	Waste Extraction,Digestion,Cold - Vapor Atomic Absorption Spectrometric	< 0.0010	≥0.2
Nickel	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	0.61	≥20
Selenium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.10	≥1


Physical Apperance : 1. Sample : brown, sludge

2. Container : Bag

Remark : 1. /I Notification of the Ministry of Industry B.E. 2548 (2005) , regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(STLC : Soluble Threshold Limit Concentration)

2. Sampling By Mr. Supharerk Phatklang (ว-003-ค-0031)

Examined By : (Miss Apiradee Chuen-arom)
(ว-003-ค-0007)

04/01/2024



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : (Miss Nunnaphat Bakhuntod)
(ว-003-ค-0005)

04/01/2024

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Test Report

Request No : W6612283

Customer : Pinthong Industrial Park Public Company Limited

Report No : 6701-0023

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120990

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 18/12/2023 - 26/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard ¹
Silver	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	< 0.05	≥5
Zinc	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	62.4	≥250

Physical Apperance : 1. Sample : brown, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005) , regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)

(STLC : Soluble Threshold Limit Concentration)

2. Sampling By Mr. Supharerk Phatklang (ว-003-ค-0031)

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

04/01/2024



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Approved By :

(Miss Nunnaphat Bakhuntod)

(ว-003-ค-0005)

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Test Report

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Customer : Pinthong Industrial Park Public Company Limited

Address : 789 Moo 1 Nong Koh - Laem Chabang Rd., Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park (Project 5)

Sample No : W 66120990

Sample Name : ตะกอนจากระบบผลิตน้ำประปา

Sampling Date : 11/12/2023

Sampling By : ETC

Sampling Time : 9:55 AM

Sampling Method : Grab

Received Date : 12/12/2023

Tested Date : 18/12/2023 - 26/12/2023

Reported Date : 04/01/2024

Parameter	Unit	Method	Result	Standard/ ¹
Aluminium	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	437	-
Iron	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	63.8	-
Manganese	mg/L	Waste Extraction,Digestion,Inductively Coupled Plasma	8.12	-
Trivalent Chromium	mg/L	Digestion,Inductively Coupled Plasma Method;Filtration,Colorimetric Method;Calculation	0.080	≥5

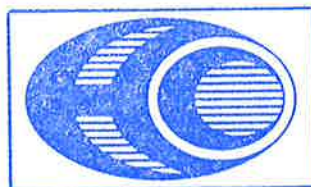
Physical Apperance : 1. Sample : brown, sludge

2. Container : Bag

Remark : 1. /1 Notification of the Ministry of Industry B.E. 2548 (2005) , regarding Waste or Unused Material Disposal, published in the Royal Government Gazette, Vol.123, Special Part 11D, date January 25, B.E.2549 (2006)
(STLC : Soluble Threshold Limit Concentration)

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

3. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

04/01/2024

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