

Test Report

Request No : W6207340

Report No : 6207-1750

Customer : NPC Safety and Environmental Service Co.,Ltd.

Address : 20/9 Pakornsongkrohrad Rd., T. Maptaphut , Rayong 21150

Sampling Source : พื้นที่ อาสาสมัครเคมีคอล จำกัด

Sample No : W 62071330

Sample Name : SD 920 Effluent

Sampling Date : 12/07/2019

Sampling By : ETC

Sampling Time : 9:30 AM

Sampling Method : Grab

Received Date : 13/07/2019

Tested Date : 13/07/2019 - 20/07/2019

Reported Date : 23/07/2019

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	9.8	≤500
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric	42	≤750
Cyanide	mg/l as HCN	Distillation, Colorimetric Method	ND	≤0.2
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric	ND	≤1
Oil and Grease	mg/l	Partition-Gravimetric	ND	≤10
pH (on site)		Electrometric	7.0	5.5 - 9
Temperature	°C	Laboratory and Field	36	≤45
Total Dissolved Solids	mg/l	Dried at 180 degree celsius	1,856	≤3000
Total Kjeldahl Nitrogen	mg/l as NH ₃ -N	Macro Kjeldahl	32	≤100
Total Suspended Solids	mg/l	Dried at 103-105 degree celsius	7	≤200

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

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

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/l, MDL of Sulfide = 0.14 mg/l,

MDL of Oil and Grease = 1.4 mg/l] / ND = Not Detected

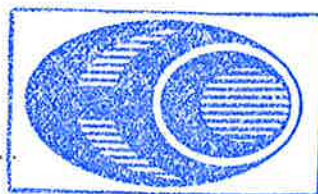
3. Sampling By Mr. Supharek Phatklang

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

23/07/2019



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Approved By : 

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

23/07/2019

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Test Report

Request No : W6208251

Report No : 6208-1954

Customer : NPC Safety and Environmental Service Co.,Ltd.
 Address : 20/9 Pakornsongkroh Rd., T. Maptaphut , Rayong 21150
 Sampling Source : ที่ ที่ อาชาติ เคมีคอล จำกัด Sample No : W 62081052
 Sample Name : Waste water Pit : SD-920 (Effluent) Sampling Date : 09/08/2019
 Sampling By : ETC Sampling Time : 9:35 AM
 Sampling Method : Grab Received Date : 10/08/2019
 Tested Date : 10/08/2019 - 27/08/2019 Reported Date : 27/08/2019

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	< 2.0	≤500
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric	< 40	≤750
Cyanide	mg/l as HCN	Distillation, Colorimetric Method	< 0.020	≤0.2
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric	ND	≤1
Oil and Grease	mg/l	Partition-Gravimetric	ND	≤10
pH (on site)		Electrometric	7.3	5.5 - 9
Temperature	°C	Laboratory and Field	36	≤45
Total Dissolved Solids	mg/l	Dried at 180 degree celsius	1,892	≤3000
Total Kjeldahl Nitrogen	mg/l as NH ₃ -N	Macro Kjeldahl	58	≤100
Total Suspended Solids	mg/l	Dried at 103-105 degree celsius	6	≤200

Physical Appearance : 1. Sample : lightly SS, nonsmelling

2. Container : Normal [PE 0.5 L [6 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L, G 2.5 L]

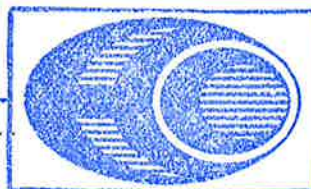
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. MDL = Method Detection Limit [MDL of Oil and Grease = 1.4 mg/l, MDL of Sulfide = 0.14 mg/l] / ND = Not Detected

3. Sampling By Mr. Supharek Phatklang

Examined By : 

(Miss Apiradee Chuen-arom)
 (จ-003-ค-4377)
 27/08/2019



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Approved By : 

(Mr. Kawee Suthasub)
 (จ-003-ค-2205)
 27/08/2019

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Test Report

Request No : W6209326

Report No : 6209-1885

Customer : NPC Safety and Environmental Service Co.,Ltd.

Address : 20/9 Pakornsongkrohrad Rd., T. Maptaphut , Rayong 21150

Sampling Source : ที่ ที่ ที่ อาชาติ เคมีคอล จำกัด

Sample No : W 62091222

Sample Name : SD-920 Effluent

Sampling Date : 13/09/2019

Sampling By : ETC

Sampling Time : 10:00 AM

Sampling Method : Grab

Received Date : 14/09/2019

Tested Date : 14/09/2019 - 26/09/2019

Reported Date : 27/09/2019

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	< 2.0	≤500
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric	51	≤750
Cyanide	mg/l as HCN	Distillation, Colorimetric Method	ND	≤0.2
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric	ND	≤1
Oil and Grease	mg/l	Partition-Gravimetric	ND	≤10
pH (on site)		Electrometric	7.2	5.5 - 9
Temperature	°C	Laboratory and Field	38	≤45
Total Dissolved Solids	mg/l	Dried at 180 degree celsius	1,716	≤3000
Total Kjeldahl Nitrogen	mg/l as NH ₃ -N	Macro Kjeldahl	64	≤100
Total Suspended Solids	mg/l	Dried at 103-105 degree celsius	< 5	≤200

Physical Apperance : 1. Sample : lightly SS, nonsmelling

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

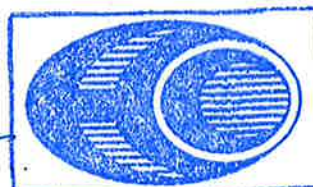
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/l, MDL of Sulfide = 0.14 mg/l, MDL of Oil and Grease = 1.4 mg/l] / ND = Not Detected

3. Sampling By Mr. Songpon Phiwuan

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
27/09/2019



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Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
27/09/2019

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Test Report

Request No : W6211014

Report No : 6211-0536

Customer : NPC Safety and Environmental Service Co.,Ltd.

Address : 20/9 Pakornsongkrohrad Rd., T. Maptaphut, Rayong 21150

Sampling Source : ฟิ ที่ ที่ อาษาฮี เคมิคอด จำกัด

Sample No : W 62110096

Sample Name : SD-920 Effluent

Sampling Date : 31/10/2019

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 01/11/2019

Tested Date : 01/11/2019 - 12/11/2019

Reported Date : 13/11/2019

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	4.0	≤500
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric	47	≤750
Cyanide	mg/l as HCN	Distillation, Colorimetric Method	ND	≤0.2
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric	ND	≤1
Oil and Grease	mg/l	Partition-Gravimetric	ND	≤10
pH (on site)		Electrometric	7.2	5.5 - 9
Temperature	°C	Laboratory and Field	36	≤45
Total Dissolved Solids	mg/l	Dried at 180 degree celsius	2,024	≤3000
Total Kjeldahl Nitrogen	mg/l as NH ₃ -N	Macro Kjeldahl	69	≤100
Total Suspended Solids	mg/l	Dried at 103-105 degree celsius	10	≤200

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


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

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/l, MDL of Sulfide = 0.14 mg/l,

MDL of Oil and Grease = 1.4 mg/l] / ND = Not Detected

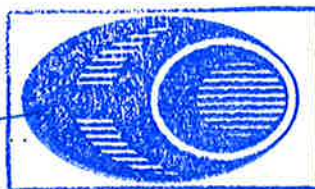
3. Sampling By Mr. Songpon Phiwuan

Examined By : 

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

13/11/2019



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Approved By : 

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

13/11/2019

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Test Report

Request No : W6211223

Report No : 6211-1421

Customer : NPC Safety and Environmental Service Co.,Ltd.
Address : 20/9 Pakornsongkrohroad Rd., T. Maptaphut , Rayong 21150
Sampling Source : ที่ที่ อาษาฮี เคมิกอด จำกัด Sample No : W 62110859
Sample Name : SD 920 (Effluent) Sampling Date : 11/11/2019
Sampling By : ETC Sampling Time : 9:45 AM
Sampling Method : Grab Received Date : 12/11/2019
Tested Date : 12/11/2019 - 19/11/2019 Reported Date : 25/11/2019

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	3.1	≤500
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric	< 40	≤750
Cyanide	mg/l as HCN	Distillation, Colorimetric Method	ND	≤0.2
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric	ND	≤1
Oil and Grease	mg/l	Partition-Gravimetric	ND	≤10
pH (on site)		Electrometric	7.2	5.5 - 9
Temperature	°C	Laboratory and Field	36	≤45
Total Dissolved Solids	mg/l	Dried at 180 degree celsius	1,960	≤3000
Total Kjeldahl Nitrogen	mg/l as NH ₃ -N	Macro Kjeldahl	19	≤100
Total Suspended Solids	mg/l	Dried at 103-105 degree celsius	5	≤200

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

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant
2. MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/l, MDL of Sulfide = 0.14 mg/l,
MDL of Oil and Grease = 1.4 mg/l] / ND = Not Detected
3. Sampling By Mr. Supharek Phatklang

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ค-4377)
25/11/2019



Approved By :

(Mr. Kawee Suthasub)
(ว-003-ค-2205)
25/11/2019

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Test Report

Request No : W6212128

Report No : 6212-1164

Customer : NPC Safety and Environmental Service Co.,Ltd.
Address : 20/9 Pakornsongkrohrad Rd., T. Maptaphut , Rayong 21150
Sampling Source : ที่ ที่ อาชาติ เคมีคอล จำกัด Sample No : W 62120445
Sample Name : SD-920 Effluent Sampling Date : 04/12/2019
Sampling By : ETC Sampling Time : 9:40 AM
Sampling Method : Grab Received Date : 06/12/2019
Tested Date : 06/12/2019 - 12/12/2019 Reported Date : 13/12/2019

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand	mg/l	5-Day BOD Test, Membrane Electrode	4.5	≤500
Chemical Oxygen Demand	mg/l	Closed Reflux, Titrimetric	< 40	≤750
Cyanide	mg/l as HCN	Distillation, Colorimetric Method	ND	≤0.2
Sulfide	mg/l as H ₂ S	ZnS Precipitation, Iodometric	< 0.53	≤1
Oil and Grease	mg/l	Partition-Gravimetric	< 3.0	≤10
pH (on site)		Electrometric	6.8	5.5 - 9
Temperature	°C	Laboratory and Field	34	≤45
Total Dissolved Solids	mg/l	Dried at 180 degree celsius	1,540	≤3000
Total Kjeldahl Nitrogen	mg/l as NH ₃ -N	Macro Kjeldahl	34	≤100
Total Suspended Solids	mg/l	Dried at 103-105 degree celsius	6	≤200

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

Remark : 1. / Eastern Industrial Estate (Map ta Phut), Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant
2. MDL = Method Detection Limit [MDL of Cyanide = 0.008 mg/l] / ND = Not Detected
3. Sampling By Miss Janthanee Saiphan

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

13/12/2019



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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

13/12/2019

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