

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลส์ของนทรี

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205791-1

Page 1 of 1

Sample Number	21138541-8						
Sampled Date	Jan 07, 2022 9:15 AM						
Sample Description	Wastewater						
Location	ระบบบำบัด						
Date Analysis Commenced	Jan 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	13	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	328	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205791-2

Page 1 of 1

Sample Number	21138541-8						
Sampled Date	Jan 07, 2022 9:15 AM						
Sample Description	Wastewater						
Location	ระบบบำบัด						
Date Analysis Commenced	Jan 10, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.7	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ของนนทบุรี

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205792-1

Page 1 of 1

Sample Number	21138541-9
Sampled Date	Jan 07, 2022 9:10 AM
Sample Description	Wastewater
Location	บ่อ 4
Date Analysis Commenced	Jan 07, 2022
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	14	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	544	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205792-2

Page 1 of 1

Sample Number	21138541-9						
Sampled Date	Jan 07, 2022 9:10 AM						
Sample Description	Wastewater						
Location	บ่อ 4						
Date Analysis Commenced	Jan 10, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.7	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Siriluk Puengpang
Supervisor

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ของนนทบุรี

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205788-1

Page 1 of 1

Sample Number	21138541-5
Sampled Date	Jan 07, 2022 9:00 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	Jan 07, 2022
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	20	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	768	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205788-2

Page 1 of 1

Sample Number	21138541-5						
Sampled Date	Jan 07, 2022 9:00 AM						
Sample Description	Wastewater						
Location	บ่อ 5						
Date Analysis Commenced	Jan 10, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.7	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Siriluk P.

Siriluk Puengpang
Supervisor

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P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205789-1

Page 1 of 1

Sample Number	21138541-6
Sampled Date	Jan 07, 2022 8:55 AM
Sample Description	Wastewater
Location	บ่อ 7
Date Analysis Commenced	Jan 07, 2022
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	15	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	504	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205789-2

Page 1 of 1

Sample Number	21138541-6						
Sampled Date	Jan 07, 2022 8:55 AM						
Sample Description	Wastewater						
Location	บ่อ 7						
Date Analysis Commenced	Jan 10, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.8	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Supervisor

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205790-1

Page 1 of 1

Sample Number	21138541-7
Sampled Date	Jan 07, 2022 8:45 AM
Sample Description	Wastewater
Location	บ่อ 9
Date Analysis Commenced	Jan 07, 2022
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	25	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	508	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

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10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205790-2

Page 1 of 1

Sample Number	21138541-7						
Sampled Date	Jan 07, 2022 8:45 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	Jan 10, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 21138548

Date Received : Jan 07, 2022

Date Reported : Jan 14, 2022

Report Number : 2157383-1

Page 1 of 2

Sample Number 21138548-1
Sampled Date Jan 07, 2022 9:15 AM
Sample Description Wastewater
Location ระบบบำบัด
Date Analysis Commenced Jan 07, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	17.0	APHA (2017), 9221 B	Bangkok

Sampled By : Pichai Boonyong

Remark :

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Approved by

Tuanjai Thangklang
Assistant Manager



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 21138548

Date Received : Jan 07, 2022

Date Reported : Jan 14, 2022

Report Number : 2157383-1

Page 2 of 2

Sample Number 21138548-2
Sampled Date Jan 07, 2022 9:10 AM
Sample Description Wastewater
Location บ่อ 4
Date Analysis Commenced Jan 07, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	3300.0	APHA (2017), 9221 B	Bangkok

Sampled By : Pichai Boonyong

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Tuanjai Thangklang
Assistant Manager



Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234566-1

Page 1 of 1

Sample Number	21142655-8
Sampled Date	Feb 07, 2022 9:37 AM
Sample Description	Wastewater
Location	ระบบบำบัด
Date Analysis Commenced	Feb 08, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	13	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	284	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234566-2

Page 1 of 1

Sample Number	21142655-8						
Sampled Date	Feb 07, 2022 9:37 AM						
Sample Description	Wastewater						
Location	ระบบบำบัด						
Date Analysis Commenced	Feb 08, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.0	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864_item100

Project Name : Water Testing

Project Location: คลังน้ำมันเซลส์ของนทรี

Lot ID: 2221650

Date Received : Feb 17, 2022

Date Reported : Feb 23, 2022

Report Number : 2235717-1

Page 1 of 1

Sample Number	2221650-1
Sampled Date	Feb 17, 2022 8:50 AM
Sample Description	Wastewater
Location	บ่อ 4
Date Analysis Commenced	Feb 18, 2022
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	13	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	524	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Wirat Chainara

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864_item100

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2221650

Date Received : Feb 17, 2022

Date Reported : Feb 23, 2022

Report Number : 2235717-2

Page 1 of 1

Sample Number	2221650-1						
Sampled Date	Feb 17, 2022 8:50 AM						
Sample Description	Wastewater						
Location	บ่อ 4						
Date Analysis Commenced	Feb 18, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.6	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Wirat Chainara

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234563-1

Page 1 of 1

Sample Number	21142655-5
Sampled Date	Feb 07, 2022 9:15 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	Feb 08, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	22	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	564	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234563-2

Page 1 of 1

Sample Number	21142655-5						
Sampled Date	Feb 07, 2022 9:15 AM						
Sample Description	Wastewater						
Location	บ่อ 5						
Date Analysis Commenced	Feb 08, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.8	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234564-1

Page 1 of 1

Sample Number	21142655-6
Sampled Date	Feb 07, 2022 9:13 AM
Sample Description	Wastewater
Location	บ่อ 7
Date Analysis Commenced	Feb 08, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	21	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	548	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234564-2

Page 1 of 1

Sample Number	21142655-6
Sampled Date	Feb 07, 2022 9:13 AM
Sample Description	Wastewater
Location	บ่อ 7
Date Analysis Commenced	Feb 08, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234565-1

Page 1 of 1

Sample Number	21142655-7
Sampled Date	Feb 07, 2022 9:07 AM
Sample Description	Wastewater
Location	บ่อ 9
Date Analysis Commenced	Feb 08, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	17	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	744	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234565-2

Page 1 of 1

Sample Number	21142655-7						
Sampled Date	Feb 07, 2022 9:07 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	Feb 08, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Norrasat Komal

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Siriluk Puengpang
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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 21142663

Date Received : Feb 07, 2022

Date Reported : Feb 12, 2022

Report Number : 2166462-1

Page 1 of 2

Sample Number 21142663-1
Sampled Date Feb 07, 2022 9:37 AM
Sample Description Wastewater
Location ระบบบำบัด
Date Analysis Commenced Feb 08, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	17.0	APHA (2017), 9221 B	Bangkok

Sampled By : Norrasat Komal

Remark :

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Approved by

Tuanjai Thangklang
Assistant Manager

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 21142663

Date Received : Feb 07, 2022

Date Reported : Feb 12, 2022

Report Number : 2166462-1

Page 2 of 2

Sample Number 21142663-2
Sampled Date Feb 07, 2022 9:20 AM
Sample Description Wastewater
Location บ่อ 4
Date Analysis Commenced Feb 08, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	3300.0	APHA (2017), 9221 B	Bangkok

Sampled By : Norrasat Komal

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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Approved by

Tuanjai Thangklang
Assistant Manager

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลล์ของนทรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258256-1

Page 1 of 1

Sample Number	2214694-8						
Sampled Date	Mar 04, 2022 9:40 AM						
Sample Description	Wastewater						
Location	ระบบบำบัด						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	7	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	196	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258256-2

Page 1 of 1

Sample Number	2214694-8						
Sampled Date	Mar 04, 2022 9:40 AM						
Sample Description	Wastewater						
Location	ระบบบำบัด						
Date Analysis Commenced	Mar 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.3	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลล์ของนทรี

TESTING

No.0009

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258257-1

Page 1 of 1

Sample Number	2214694-9						
Sampled Date	Mar 04, 2022 9:20 AM						
Sample Description	Wastewater						
Location	บ่อ 4						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	11	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	516	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258257-2

Page 1 of 1

Sample Number	2214694-9						
Sampled Date	Mar 04, 2022 9:20 AM						
Sample Description	Wastewater						
Location	บ่อ 4						
Date Analysis Commenced	Mar 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.3	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ของนนทบุรี

TESTING

No.0009

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258253-1

Page 1 of 1

Sample Number	2214694-5
Sampled Date	Mar 04, 2022 9:25 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	Mar 04, 2022
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	8	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	280	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258253-2

Page 1 of 1

Sample Number	2214694-5						
Sampled Date	Mar 04, 2022 9:25 AM						
Sample Description	Wastewater						
Location	บ่อ 5						
Date Analysis Commenced	Mar 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.8	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลล์ของนทรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258254-1

Page 1 of 1

Sample Number	2214694-6						
Sampled Date	Mar 04, 2022 9:15 AM						
Sample Description	Wastewater						
Location	บ่อ 7						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	9	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	576	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258254-2

Page 1 of 1

Sample Number	2214694-6						
Sampled Date	Mar 04, 2022 9:15 AM						
Sample Description	Wastewater						
Location	บ่อ 7						
Date Analysis Commenced	Mar 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258255-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Page 1 of 1

Sample Number	2214694-7						
Sampled Date	Mar 04, 2022 9:05 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	<5	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	248	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258255-2

Page 1 of 1

Sample Number	2214694-7						
Sampled Date	Mar 04, 2022 9:05 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	Mar 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.3	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2214698

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2221002-1

Page 1 of 2

Sample Number : 2214698-1
Sampled Date : Mar 04, 2022 9:40 AM
Sample Description : Wastewater
Location : ระบบบำบัด
Date Analysis Commenced : Mar 05, 2022
Condition of Sample : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	33.0	APHA (2017), 9221 B	Bangkok

Sampled By : Panupong Homewong

Remark :

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Approved by

Tuanjai Thangklang
Assistant Manager

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2214698

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2221002-1

Page 2 of 2

Sample Number 2214698-2
Sampled Date Mar 04, 2022 9:20 AM
Sample Description Wastewater
Location บ่อ 4
Date Analysis Commenced Mar 05, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	7900.0	APHA (2017), 9221 B	Bangkok

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Tuanjai Thangklang
Assistant Manager

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287537-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองถนนศรี

Page 1 of 1

Sample Number	2224080-8
Sampled Date	Apr 07, 2022 9:15 AM
Sample Description	Wastewater
Location	ระบบบำบัด
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	10	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	408	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

Remark :

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287537-2

Page 1 of 1

Sample Number	2224080-8						
Sampled Date	Apr 07, 2022 9:15 AM						
Sample Description	Wastewater						
Location	ระบบบำบัด						
Date Analysis Commenced	Apr 08, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING

No.0009

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287538-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2224080-9
Sampled Date	Apr 07, 2022 8:55 AM
Sample Description	Wastewater
Location	บ่อ 4
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	20	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	864	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287538-2

Page 1 of 1

Sample Number	2224080-9						
Sampled Date	Apr 07, 2022 8:55 AM						
Sample Description	Wastewater						
Location	บ่อ 4						
Date Analysis Commenced	Apr 08, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.0	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0009

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287534-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองถนนศรี

Page 1 of 1

Sample Number	2224080-5
Sampled Date	Apr 07, 2022 8:50 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	14	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1060	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

Remark :

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Technical Management

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Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287534-2

Page 1 of 1

Sample Number	2224080-5						
Sampled Date	Apr 07, 2022 8:50 AM						
Sample Description	Wastewater						
Location	บ่อ 5						
Date Analysis Commenced	Apr 08, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	4.6	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING

No.0009

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287535-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2224080-6
Sampled Date	Apr 07, 2022 8:45 AM
Sample Description	Wastewater
Location	บ่อ 7
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	13	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1332	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287535-2

Page 1 of 1

Sample Number	2224080-6						
Sampled Date	Apr 07, 2022 8:45 AM						
Sample Description	Wastewater						
Location	บ่อ 7						
Date Analysis Commenced	Apr 08, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	4.2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0009

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287536-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองถนนศรี

Page 1 of 1

Sample Number	2224080-7
Sampled Date	Apr 07, 2022 8:30 AM
Sample Description	Wastewater
Location	บ่อ 9
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	12	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	472	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

Remark :

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Technical Management

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Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287536-2

Page 1 of 1

Sample Number	2224080-7						
Sampled Date	Apr 07, 2022 8:30 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	Apr 08, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Pichai Boonyong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224090

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2240306-1

Page 1 of 2

Sample Number 2224090-1
Sampled Date Apr 07, 2022 9:15 AM
Sample Description Wastewater
Location ระบบบำบัด
Date Analysis Commenced Apr 07, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	490000.0	APHA (2017), 9221 B	Bangkok

Sampled By : Pichai Boonyong

Remark :

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Approved by

Tuanjai Thangklang
Assistant Manager

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224090

Date Received : Apr 07, 2022
Date Reported : Apr 18, 2022
Report Number : 2240306-1

Page 2 of 2

Sample Number : 2224090-2
Sampled Date : Apr 07, 2022 8:55 AM
Sample Description : Wastewater
Location : บ่อ 4
Date Analysis Commenced : Apr 07, 2022
Condition of Sample : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	2400.0	APHA (2017), 9221 B	Bangkok

Sampled By : Pichai Boonyong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Tuanjai Thangklang
Assistant Manager



Analysis / Test Report

TESTING

No.0009

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313985-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2246854-8
Sampled Date	May 06, 2022 9:15 AM
Sample Description	Wastewater
Location	ระบบบำบัด
Date Analysis Commenced	May 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	10	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	472	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313985-2

Page 1 of 1

Sample Number	2246854-8
Sampled Date	May 06, 2022 9:15 AM
Sample Description	Wastewater
Location	ระบบบำบัด
Date Analysis Commenced	May 09, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.7	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING

No.0009

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313986-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2246854-9
Sampled Date	May 06, 2022 9:03 AM
Sample Description	Wastewater
Location	บ่อ 4
Date Analysis Commenced	May 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	9	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	332	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313986-2

Page 1 of 1

Sample Number	2246854-9						
Sampled Date	May 06, 2022 9:03 AM						
Sample Description	Wastewater						
Location	บ่อ 4						
Date Analysis Commenced	May 09, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.9	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING

No.0009

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313982-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2246854-5
Sampled Date	May 06, 2022 8:58 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	May 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	18	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1016	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313982-2

Page 1 of 1

Sample Number	2246854-5						
Sampled Date	May 06, 2022 8:58 AM						
Sample Description	Wastewater						
Location	บ่อ 5						
Date Analysis Commenced	May 09, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING

No.0009

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313983-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2246854-6
Sampled Date	May 06, 2022 8:52 AM
Sample Description	Wastewater
Location	บ่อ 7
Date Analysis Commenced	May 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	7	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	248	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313983-2

Page 1 of 1

Sample Number	2246854-6						
Sampled Date	May 06, 2022 8:52 AM						
Sample Description	Wastewater						
Location	บ่อ 7						
Date Analysis Commenced	May 09, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	6.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING

No.0009

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313984-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนทรี

Page 1 of 1

Sample Number	2246854-7
Sampled Date	May 06, 2022 8:40 AM
Sample Description	Wastewater
Location	บ่อ 9
Date Analysis Commenced	May 07, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	7	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	296	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313984-2

Page 1 of 1

Sample Number	2246854-7						
Sampled Date	May 06, 2022 8:40 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	May 09, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.0	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Thanwa Jariya

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item10
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246861

Date Received : May 06, 2022

Date Reported : May 13, 2022

Report Number : 2289569-1

Page 1 of 2

Sample Number : 2246861-1
Sampled Date : May 06, 2022 9:15 AM
Sample Description : Wastewater
Location : ระบบบำบัด
Date Analysis Commenced : May 06, 2022
Condition of Sample : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	1300.0	APHA (2017), 9221 B	Bangkok

Sampled By : Thanwa Jariya

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item10
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246861

Date Received : May 06, 2022

Date Reported : May 13, 2022

Report Number : 2289569-1

Page 2 of 2

Sample Number 2246861-2
Sampled Date May 06, 2022 9:03 AM
Sample Description Wastewater
Location บ่อ 4
Date Analysis Commenced May 06, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	22000.0	APHA (2017), 9221 B	Bangkok

Sampled By : Thanwa Jariya

Remark :

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Approved by

Tuanjai Thangklang
Manager



Analysis / Test Report

TESTING

No.0009

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339850-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลล์ชองนนทบุรี

Page 1 of 1

Sample Number	2258294-8
Sampled Date	Jun 02, 2022 9:28 AM
Sample Description	Wastewater
Location	ระบบบำบัด
Date Analysis Commenced	Jun 02, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	<5	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	184	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339850-2

Page 1 of 1

Sample Number	2258294-8
Sampled Date	Jun 02, 2022 9:28 AM
Sample Description	Wastewater
Location	ระบบบำบัด
Date Analysis Commenced	Jun 06, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	7.3	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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Siriluk P.

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Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339851-1

Page 1 of 1

Sample Number	2258294-9
Sampled Date	Jun 02, 2022 9:15 AM
Sample Description	Wastewater
Location	บ่อ 4
Date Analysis Commenced	Jun 02, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	11	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	324	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339851-2

Page 1 of 1

Sample Number	2258294-9
Sampled Date	Jun 02, 2022 9:15 AM
Sample Description	Wastewater
Location	บ่อ 4
Date Analysis Commenced	Jun 06, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.6	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339847-1

Page 1 of 1

Sample Number	2258294-5
Sampled Date	Jun 02, 2022 9:10 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	Jun 02, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	9	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	280	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339847-2

Page 1 of 1

Sample Number	2258294-5
Sampled Date	Jun 02, 2022 9:10 AM
Sample Description	Wastewater
Location	บ่อ 5
Date Analysis Commenced	Jun 06, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.7	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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Siriluk Puengpang
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Analysis / Test Report

TESTING

No.0009

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339848-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number 2258294-6
Sampled Date Jun 02, 2022 9:05 AM
Sample Description Wastewater
Location บ่อ 7
Date Analysis Commenced Jun 02, 2022
Condition of Sample Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	6	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	336	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339848-2

Page 1 of 1

Sample Number	2258294-6
Sampled Date	Jun 02, 2022 9:05 AM
Sample Description	Wastewater
Location	บ่อ 7
Date Analysis Commenced	Jun 06, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	4.7	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339849-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลล์ของนทรี

Page 1 of 1

Sample Number	2258294-7
Sampled Date	Jun 02, 2022 8:45 AM
Sample Description	Wastewater
Location	บ่อ 9
Date Analysis Commenced	Jun 02, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	5	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	28	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	332	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤50	Based on APHA (2017), 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339849-2

Page 1 of 1

Sample Number	2258294-7						
Sampled Date	Jun 02, 2022 8:45 AM						
Sample Description	Wastewater						
Location	บ่อ 9						
Date Analysis Commenced	Jun 06, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	4.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampled By : Panupong Homewong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2258295

Date Received : Jun 02, 2022

Date Reported : Jun 09, 2022

Report Number : 2313907-1

Page 1 of 2

Sample Number : 2258295-1
Sampled Date : Jun 02, 2022 9:28 AM
Sample Description : Wastewater
Location : ระบบบำบัด
Date Analysis Commenced : Jun 02, 2022
Condition of Sample : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	790.0	APHA (2017), 9221 B	Bangkok

Sampled By : Panupong Homewong

Remark :

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Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110
P/O : 4535076864_item100
Project Name : Water Testing
Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2258295

Date Received : Jun 02, 2022

Date Reported : Jun 09, 2022

Report Number : 2313907-1

Page 2 of 2

Sample Number 2258295-2
Sampled Date Jun 02, 2022 9:15 AM
Sample Description Wastewater
Location บ่อ 4
Date Analysis Commenced Jun 02, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
Total Coliform	MPN/100mL	-	-	4900.0	APHA (2017), 9221 B	Bangkok

Sampled By : Panupong Homewong

Remark :

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ภาคผนวก ค-2

ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



Analysis / Test Report

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205784-1

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Page 1 of 1

Sample Number	21138541-1						
Sampled Date	Jan 07, 2022 9:05 AM						
Sample Description	Natural Water						
Location	ท่าเรือ 1						
Date Analysis Commenced	Jan 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	5	≤4	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	39	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.2	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	480	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	54	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Pichai Boonyong

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21138541

Date Received : Jan 07, 2022

Date Reported : Jan 17, 2022

Report Number : 2205785-1

Page 1 of 1

Sample Number	21138541-2						
Sampled Date	Jan 07, 2022 8:40 AM						
Sample Description	Natural Water						
Location	ท่าเรือ4						
Date Analysis Commenced	Jan 07, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	3	≤4	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	25	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.1	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1160	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Pichai Boonyong

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Siriluk P.

Siriluk Puengpang
Supervisor



Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234559-1

Page 1 of 1

Sample Number 21142655-1
Sampled Date Feb 07, 2022 9:25 AM
Sample Description Natural Water
Location ท่าเรือ 1
Date Analysis Commenced Feb 08, 2022
Condition of Sample Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	6	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	198	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.6	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	6400	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	76	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Norrasat Komal

Remark :

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Siriluk P.

Siriluk Puengpang
Supervisor



Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 21142655

Date Received : Feb 07, 2022

Date Reported : Feb 14, 2022

Report Number : 2234560-1

Page 1 of 1

Sample Number	21142655-2						
Sampled Date	Feb 07, 2022 9:05 AM						
Sample Description	Natural Water						
Location	ท่าเรือ4						
Date Analysis Commenced	Feb 08, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	3	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	54	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.0	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	4720	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	14	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Norrasat Komal

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258249-1

Page 1 of 1

Sample Number	2214694-1						
Sampled Date	Mar 04, 2022 9:30 AM						
Sample Description	Natural Water						
Location	ท่าเรือ 1						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	6	≤4	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	95	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.0	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	4	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	4280	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	45	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Panupong Homewong

Remark :

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Siriluk P.

Siriluk Puengpang
Supervisor



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเซลส์ของนทรี

Lot ID: 2214694

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2258250-1

Page 1 of 1

Sample Number	2214694-2						
Sampled Date	Mar 04, 2022 9:00 AM						
Sample Description	Natural Water						
Location	ท่าเรือ4						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in two BOD bottles, three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	9	≤4	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	111	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.4	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	4	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	3720	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	78	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Panupong Homewong

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287530-1

Page 1 of 1

Sample Number	2224080-1						
Sampled Date	Apr 07, 2022 9:00 AM						
Sample Description	Natural Water						
Location	ท่าเรือ 1						
Date Analysis Commenced	Apr 07, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	32	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.2	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	6076	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	6	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Pichai Boonyong

Remark :

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2224080

Date Received : Apr 07, 2022

Date Reported : Apr 18, 2022

Report Number : 2287531-1

Page 1 of 1

Sample Number	2224080-2						
Sampled Date	Apr 07, 2022 8:35 AM						
Sample Description	Natural Water						
Location	ท่าเรือ4						
Date Analysis Commenced	Apr 07, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	28	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.3	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	5748	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	9	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Pichai Boonyong

Remark :

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313978-1

Page 1 of 1

Sample Number	2246854-1						
Sampled Date	May 06, 2022 9:10 AM						
Sample Description	Natural Water						
Location	ท่าเรือ 1						
Date Analysis Commenced	May 07, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	3	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	20	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.9	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	3220	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	15	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Thanwa Jariya

Remark :

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Approved by

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเชลล์ชองนนทบุรี

TESTING

No.0009

Lot ID: 2246854

Date Received : May 06, 2022

Date Reported : May 14, 2022

Report Number : 2313979-1

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Sample Number	2246854-2						
Sampled Date	May 06, 2022 8:30 AM						
Sample Description	Natural Water						
Location	ท่าเรือ4						
Date Analysis Commenced	May 07, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	3	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	20	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.4	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.3	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	3300	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	17	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Thanwa Jariya

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location: คลังน้ำมันเชลล์ของนนทบุรี

Lot ID: 2258294

Date Received : Jun 02, 2022

Date Reported : Jun 10, 2022

Report Number : 2339843-1

Page 1 of 1

Sample Number	2258294-1						
Sampled Date	Jun 02, 2022 9:20 AM						
Sample Description	Natural Water						
Location	ท่าเรือ 1						
Date Analysis Commenced	Jun 02, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	4	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	12	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.4	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	4	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	360	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	43	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Panupong Homewong

Remark :

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor



Analysis / Test Report

TESTING
No.0009

Client : The Shell Company of Thailand Limited
10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

P/O : 4535076864

Project Name : Water Testing

Project Location : คลังน้ำมันเซลส์ของนทรี

Lot ID: 2276954

Date Received : Jun 22, 2022

Date Reported : Jun 29, 2022

Report Number : 2360731-1

Page 1 of 1

Sample Number	2276954-1						
Sampled Date	Jun 22, 2022 9:20 AM						
Sample Description	Natural Water						
Location	ท่าเรือ4						
Date Analysis Commenced	Jun 23, 2022						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	3	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	8	No Standard	Based on APHA (2017), 5220 D	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.2	≥2	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	258	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampled By : Pichai Boonyong

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