

## ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

## ภาคผนวก ค-1

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ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



## Analysis / Test Report

TESTING

No.0009

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214690-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	24137893-1						
<b>Sampled Date</b>	Jan 08, 2025 7:10 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 1						
<b>Date Analysis Commenced</b>	Jan 08, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	188	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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

Siriluk Bunnak  
Section Head

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**Client :** The Shell Company of Thailand Limited  
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**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214690-2

Page 1 of 1

<b>Sample Number</b>	24137893-1						
<b>Sampled Date</b>	Jan 08, 2025 7:10 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 1						
<b>Date Analysis Commenced</b>	Jan 09, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Sawitree Noisangiam  
Manager

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**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214691-1

Page 1 of 1

<b>Sample Number</b>	24137893-2
<b>Sampled Date</b>	Jan 08, 2025 8:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Jan 08, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	680	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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Siriluk Bunnak  
Section Head

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**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214691-2

Page 1 of 1

<b>Sample Number</b>	24137893-2
<b>Sampled Date</b>	Jan 08, 2025 8:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Jan 09, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** The Shell Company of Thailand Limited  
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**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214692-1

Page 1 of 1

<b>Sample Number</b>	24137893-3						
<b>Sampled Date</b>	Jan 08, 2025 8:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 3						
<b>Date Analysis Commenced</b>	Jan 08, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1120	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214692-2

Page 1 of 1

<b>Sample Number</b>	24137893-3
<b>Sampled Date</b>	Jan 08, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Jan 09, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233846-1

Page 1 of 1

<b>Sample Number</b>	252063-1						
<b>Sampled Date</b>	Feb 05, 2025 8:30 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 1						
<b>Date Analysis Commenced</b>	Feb 06, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	180	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233846-2

Page 1 of 1

<b>Sample Number</b>	252063-1
<b>Sampled Date</b>	Feb 05, 2025 8:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 1
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Chanattagarn Imchom  
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**Project Name :** Water Testing  
**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**  
**No.0009**  
**Lot ID: 252063**  
Date Received : Feb 05, 2025  
Date Reported : Feb 13, 2025  
Report Number : 3233847-1

Page 1 of 1

<b>Sample Number</b>	252063-2						
<b>Sampled Date</b>	Feb 05, 2025 8:15 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 2						
<b>Date Analysis Commenced</b>	Feb 06, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	644	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233847-2

Page 1 of 1

<b>Sample Number</b>	252063-2
<b>Sampled Date</b>	Feb 05, 2025 8:15 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233848-1

Page 1 of 1

<b>Sample Number</b>	252063-3
<b>Sampled Date</b>	Feb 05, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	868	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

Remark :

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

Approved by



Siriluk Bunnak  
Section Head

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## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233848-2

Page 1 of 1

<b>Sample Number</b>	252063-3
<b>Sampled Date</b>	Feb 05, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by

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Chanattagarn Imchom  
Section Head

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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 :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256116-1

Page 1 of 1

<b>Sample Number</b>	2511259-1
<b>Sampled Date</b>	Mar 05, 2025 7:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 1
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	128	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Nanthawadee Somboon  
Specialist 2

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TESTING  
No.0009

## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256116-2

Page 1 of 1

<b>Sample Number</b>	2511259-1
<b>Sampled Date</b>	Mar 05, 2025 7:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 1
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by

Sawitree Noisangiam  
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 :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256117-1

Page 1 of 1

<b>Sample Number</b>	2511259-2
<b>Sampled Date</b>	Mar 05, 2025 8:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	320	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Nanthawadee Somboon  
Specialist 2

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TESTING  
No.0009

## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256117-2

Page 1 of 1

<b>Sample Number</b>	2511259-2
<b>Sampled Date</b>	Mar 05, 2025 8:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Sawitree Noisangiam  
Manager

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TESTING  
No.0009

## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256118-1

Page 1 of 1

<b>Sample Number</b>	2511259-3
<b>Sampled Date</b>	Mar 05, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1076	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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Nanthawadee Somboon  
Specialist 2

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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 :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256118-2

Page 1 of 1

<b>Sample Number</b>	2511259-3
<b>Sampled Date</b>	Mar 05, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281916-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2520662-1
<b>Sampled Date</b>	Apr 04, 2025 8:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 1
<b>Date Analysis Commenced</b>	Apr 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	140	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Siriluk Bunnak  
Section Head

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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 :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281916-2

Page 1 of 1

<b>Sample Number</b>	2520662-1
<b>Sampled Date</b>	Apr 04, 2025 8:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 1
<b>Date Analysis Commenced</b>	Apr 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	0.0006	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281917-1

**Client :** The Shell Company of Thailand Limited

10, Soonthornkosa Road, Klongtoey, Bangkok Thailand 10110

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2520662-2
<b>Sampled Date</b>	Apr 04, 2025 8:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Apr 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	564	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Siriluk Bunnak  
Section Head

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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 :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281917-2

Page 1 of 1

<b>Sample Number</b>	2520662-2
<b>Sampled Date</b>	Apr 04, 2025 8:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Apr 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

Remark :

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281918-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2520662-3						
<b>Sampled Date</b>	Apr 04, 2025 8:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 3						
<b>Date Analysis Commenced</b>	Apr 05, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1044	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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Approved by



Siriluk Bunnak  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281918-2

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2520662-3						
<b>Sampled Date</b>	Apr 04, 2025 8:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 3						
<b>Date Analysis Commenced</b>	Apr 05, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 16, 2025

Report Number : 3307550-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-1						
<b>Sampled Date</b>	May 09, 2025 8:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 1						
<b>Date Analysis Commenced</b>	May 10, 2025						
<b>Condition of Sample</b>	Contained in four 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	220	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 17, 2025

Report Number : 3307550-2

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-1						
<b>Sampled Date</b>	May 09, 2025 8:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 1						
<b>Date Analysis Commenced</b>	May 10, 2025						
<b>Condition of Sample</b>	Contained in four 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
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	0.0010	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Chanattagarn Imchom  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 16, 2025

Report Number : 3307551-1

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-2
<b>Sampled Date</b>	May 09, 2025 8:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	May 10, 2025
<b>Condition of Sample</b>	Contained in four 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	668	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 17, 2025

Report Number : 3307551-2

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-2						
<b>Sampled Date</b>	May 09, 2025 8:10 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 2						
<b>Date Analysis Commenced</b>	May 10, 2025						
<b>Condition of Sample</b>	Contained in four 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
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Chanattagarn Imchom  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 16, 2025

Report Number : 3307552-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-3
<b>Sampled Date</b>	May 09, 2025 8:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	May 10, 2025
<b>Condition of Sample</b>	Contained in four 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	27	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	804	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 17, 2025

Report Number : 3307552-2

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-3
<b>Sampled Date</b>	May 09, 2025 8:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	May 10, 2025
<b>Condition of Sample</b>	Contained in four 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
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Chanattagarn Imchom  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333409-1

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-1
<b>Sampled Date</b>	Jun 06, 2025 7:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 1
<b>Date Analysis Commenced</b>	Jun 07, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	148	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333409-2

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-1						
<b>Sampled Date</b>	Jun 06, 2025 7:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อ 1						
<b>Date Analysis Commenced</b>	Jun 07, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	0.0007	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333410-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-2
<b>Sampled Date</b>	Jun 06, 2025 8:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Jun 07, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	180	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Suwimon Chairuangwut  
Scientist (3)

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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 :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333410-2

Page 1 of 1

<b>Sample Number</b>	2541818-2
<b>Sampled Date</b>	Jun 06, 2025 8:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 2
<b>Date Analysis Commenced</b>	Jun 07, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333411-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-3
<b>Sampled Date</b>	Jun 06, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Jun 07, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	184	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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).

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333411-2

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-3
<b>Sampled Date</b>	Jun 06, 2025 8:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อ 3
<b>Date Analysis Commenced</b>	Jun 07, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	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).

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Approved by



Sawitree Noisangiam  
Manager

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## ภาคผนวก ค-2

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ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214693-1

Page 1 of 1

<b>Sample Number</b>	24137893-4						
<b>Sampled Date</b>	Jan 08, 2025 8:30 AM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำขึ้นหน้าท่า						
<b>Date Analysis Commenced</b>	Jan 08, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	<25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	6440	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

n : Not Change from natural condition

Remark :

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by



Siriluk Bunnak  
Section Head

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## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 24137893**

Date Received : Jan 08, 2025

Date Reported : Jan 15, 2025

Report Number : 3214694-1

Page 1 of 1

<b>Sample Number</b>	24137893-5						
<b>Sampled Date</b>	Jan 08, 2025 4:00 PM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำลงหน้าท่า						
<b>Date Analysis Commenced</b>	Jan 08, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	485	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	21980	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	17	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

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Approved by



Siriluk Bunnak  
Section Head

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## Analysis / Test Report

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233849-1

Page 1 of 1

<b>Sample Number</b>	252063-4						
<b>Sampled Date</b>	Feb 05, 2025 8:00 AM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำขึ้นหน้าท่า						
<b>Date Analysis Commenced</b>	Feb 06, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	56	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	12600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

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Remark :

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Approved by

Siriluk Bunnak  
Section Head

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## Analysis / Test Report

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

**TESTING**

**No.0009**

**Lot ID: 252063**

Date Received : Feb 05, 2025

Date Reported : Feb 13, 2025

Report Number : 3233850-1

Page 1 of 1

<b>Sample Number</b>	252063-5						
<b>Sampled Date</b>	Feb 04, 2025 4:00 PM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำลงหน้าท่า						
<b>Date Analysis Commenced</b>	Feb 06, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	61	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	17840	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	47	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

n : Not Change from natural condition

Remark :

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Approved by

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Siriluk Bunnak  
Section Head

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TESTING  
No.0009

## Analysis / Test Report

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256119-1

Page 1 of 1

<b>Sample Number</b>	2511259-4
<b>Sampled Date</b>	Mar 05, 2025 8:00 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	น้ำขึ้นหน้าท่า
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	<25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	3860	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	16	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

n : Not Change from natural condition

Remark :

- LOD : Limit of Detection
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Nanthawadee Somboon  
Specialist 2

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TESTING  
No.0009

## Analysis / Test Report

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location:** คลังน้ำมันเชลล์สมุทรสงคราม

**Lot ID: 2511259**

Date Received : Mar 05, 2025

Date Reported : Mar 12, 2025

Report Number : 3256120-1

Page 1 of 1

<b>Sample Number</b>	2511259-5						
<b>Sampled Date</b>	Mar 05, 2025 4:00 PM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำลงหน้าท่า						
<b>Date Analysis Commenced</b>	Mar 06, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	<25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2980	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	98	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

n : Not Change from natural condition

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Nanthawadee Somboon  
Specialist 2

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281919-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2520662-4						
<b>Sampled Date</b>	Apr 04, 2025 7:30 AM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำขึ้นหน้าท่า						
<b>Date Analysis Commenced</b>	Apr 05, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	89	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	25620	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	14	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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

n : Not Change from natural condition

Remark :

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Siriluk Bunnak  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2520662**

Date Received : Apr 04, 2025

Date Reported : Apr 11, 2025

Report Number : 3281920-1

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2520662-5						
<b>Sampled Date</b>	Apr 04, 2025 4:00 PM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำลงหน้าท่า						
<b>Date Analysis Commenced</b>	Apr 05, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	37	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	15440	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	70	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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Approved by



Siriluk Bunnak  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 16, 2025

Report Number : 3307553-1

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-4
<b>Sampled Date</b>	May 08, 2025 4:30 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	น้ำขึ้นหน้าท่า
<b>Date Analysis Commenced</b>	May 10, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	48	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	13600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	23	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2532134**

Date Received : May 09, 2025

Date Reported : May 16, 2025

Report Number : 3307554-1

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2532134-5
<b>Sampled Date</b>	May 09, 2025 7:40 AM
<b>Sample Description</b>	Natural Water
<b>Location</b>	น้ำลงหน้าท่า
<b>Date Analysis Commenced</b>	May 10, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	53	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	12980	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	22	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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Approved by

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Suwimon Chairuangwut  
Scientist (3)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333412-1

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

**P/O :** 4541289881

**Project Name :** Water Testing

**Project Location :** คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-4
<b>Sampled Date</b>	Jun 05, 2025 4:30 PM
<b>Sample Description</b>	Natural Water
<b>Location</b>	น้ำขึ้นหน้าท่า
<b>Date Analysis Commenced</b>	Jun 07, 2025
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	31	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	3660	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by



Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2541818**

Date Received : Jun 06, 2025

Date Reported : Jun 13, 2025

Report Number : 3333413-1

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

**P/O** : 4541289881

**Project Name** : Water Testing

**Project Location** : คลังน้ำมันเชลล์สมุทรสงคราม

Page 1 of 1

<b>Sample Number</b>	2541818-5						
<b>Sampled Date</b>	Jun 06, 2025 7:30 AM						
<b>Sample Description</b>	Natural Water						
<b>Location</b>	น้ำลงหน้าท่า						
<b>Date Analysis Commenced</b>	Jun 07, 2025						
<b>Condition of Sample</b>	Contained in 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
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	40	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	13340	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 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 3)

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Approved by



Suwimon Chairuangwut  
Scientist (3)

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